

<210> 513

<211> 893

<212> DNA

<213> Homo sapiens

<400> 513

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<210> 514

<211> 784

<212> DNA

<213> Homo sapiens

<400> 514

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<210> 515

<211> 794

<212> DNA

<213> Homo sapiens

<400> 515

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<210> 516

<211> 692

<212> DNA

<213> Homo sapiens

<400> 516

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 gccccttgtg ggataggaag ttggccacat tgcccacatc cagtagccag tgaatagttg 540
 tgcttggagt ttgccctgta ggctgactta tgagccatag cccaagtcac atcccagaaa 600
 cacacaatac ggggagcccc tccttagggg aaaatttctt tccaaaatat cacctcatac 660
 cttgctcagg gaatactctn tnnggtataa gt 692

<210> 517

<211> 785

<212> DNA

<213> Homo sapiens

<400> 517

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cagaaaagat gacagcgatg acgacggggg tggctggata acccccagta acatcaagca 660
gatccagcag gagctggagc agtgtgacgt ccccgangac gtgcgggttg gctgcctgac 720
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aacng 785
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<210> 518

<211> 901

<212> DNA

<213> Homo sapiens

<400> 518

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aatagcccgc tgtttactgc aaatccacag ctgcaggagc agatgcggcc acagctccca 360
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<210> 519

<211> 771

<212> DNA

<213> Homo sapiens

<400> 519

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 ttcagggatg ggaaaatccc ccacaccag ccttcatcat ccatacceca gaccacttcc 180
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 tgacaagaag gctccctatg aatctcttat cattgatggg tanggccatt tgctttcctc 720

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<210> 520

<211> 684

<212> DNA

<213> Homo sapiens

<400> 520

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ctcttaaaac tacaataaa gaacttaaca gatatgcccc aaagaagtn tcngatgacn 660
agtaagattt gaaaaaaaaat gctg 684

<210> 521

<211> 833

<212> DNA

<213> Homo sapiens

<400> 521

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cattctggtg atagatatgt gacaatagac aaaaagatat aatatgttag gtggttaacta 180
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<210> 522

<211> 696

<212> DNA

<213> Homo sapiens

<400> 522

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 gagaagagat gtcagaacac ttttcctat attaattcaa tcctgttttt agaattaaac 180
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 caagcacttt gggaggccaa ggcaggtgaa tcacttgagc tcaggagttc gagaccaacc 600

tgggcaacat agcaagaccc cgtgtctaca aaaaatacaa aaattagcct gcattgcggn 660
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<210> 523

<211> 828

<212> DNA

<213> Homo sapiens

<400> 523

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tatittaacag nctcataatg gtacttcagc ttcataaata ttggaacacc actatggttg 780
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<210> 524

<211> 805

<212> DNA

<213> Homo sapiens

<400> 524

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<211> 788

<212> DNA

<213> Homo sapiens

<400> 525

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<211> 807

<212> DNA

<213> Homo sapiens

<400> 526

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<210> 527

<211> 828

<212> DNA

<213> Homo sapiens

<400> 527

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<210> 528

<211> 309

<212> DNA

<213> Homo sapiens

<400> 528

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tttaggctgg gtgcggtggc ccatgcctgt aatcccagta ctttgggagg ccaaaagagg 180
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<210> 529

<211> 860

<212> DNA

<213> Homo sapiens

<400> 529

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caagagggat atgacagatc ttcaaccatg ttaacattgg ggccttttag aaattctaata 180
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ctgatgcagg atgatactag aggcatgttt atggaaacaa ctgtgttttg tacttccgaa 600
gatgggcttg tatctggttt cggacggact gttaatgaca atttgatcga cgggaattgc 660
acaccccgaga atccaccaca aaagaaaaag gtttctctat tagaataaccg taagagacaa 720
cgtgaagcta gggaaaagtg gctctaagac agagaacttt ccactcanta gtgnatcacc 780
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<211> 765

<212> DNA

<213> Homo sapiens

<400> 530

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gcaatgagat gaacaccgac accttctcga ggagattaac aaagctggaa aggagctggg 660
gatcatccca accatcatcc gggatganga actgaagacg agaggatttg gaggaatcta 720
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<210> 531

<211> 800

<212> DNA

<213> Homo sapiens

<400> 531

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gggaattcca gtttaaagct cataggaatg tgctggcctc ctttagtgag tattttgggtg 240
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 cagggcagaa taaaacagtg caatatccca gtgacatctt anagaatgca tctgggtgaat 720
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 ataattcana actcgagttg 800

<210> 532

<211> 606

<212> DNA

<213> Homo sapiens

<400> 532

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 tgggtggcta ccatgtttct gccaaatgtt ttggatacat gacgcatcaa ctgatgaacc 540
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 acgcct 606

<210> 533

<211> 703

<212> DNA

<213> Homo sapiens

<400> 533

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ccgagaggca cgtggctcca gccggtgtgg acctgggcct ctgctgcca cgtctgcccc  180
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cagttggagg aacagaaaca acccngttt catcatggga acagatgctt anttgagcat  480
caaggggcag gaagacacct ticcctcctt gttcctcgt gaccgatgac cctggaactc  540
cacggtgcct ctctgaatct ctgttatgga tccccacta tatttgatgg gaaccagtg  600
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<210> 534

<211> 756

<212> DNA

<213> Homo sapiens

<400> 534

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cttctgagct caggttgggg ggagttggag ccacaaatag atggtcagac ctgggctgag  180
cgggcacttc gggagaatga acgccacgcc ttcacctgcc ggggtggcagg ggggcctggc  240
acccccagat tggcctggta tctggatgga cagctgcagg aggccagcac ctcaagactg  300

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ctgagcgtgg gaggggagggc cttctctgga ggcaccagca ccttcactgt cactgccccat 360
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 gcctctgtca tccttaatat gcaattcaag ccagagattg cccaagtcgg cgccaagtac 480
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 ctggtgctgg atgcgagaa ctaccctgg ctaccaaac acacggtgca acttgcagct 660
 ncgcagcctg gcacacaacc ttttcgtggt ggnccaccaat gaccctgggt gttaaccaat 720
 gcgttcgntt tcaaacccca agggcttttt gggtta. 756

<210> 535

<211> 871

<212> DNA

<213> Homo sapiens

<400> 535

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 tagcagtggg ggatcctgtg gtgggaatgg ggtgggcttc tcatccatgg tgcttctggg 720
 aagagagggt tgcctttctg ggctagggaa gtggctggag cttctgcctg accttcccta 780
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tggcctgcac antcagcact tgatctaggg g

871

<210> 536

<211> 864

<212> DNA

<213> Homo sapiens

<400> 536

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ttagattttc tgtatttcat ctgccagatt atttgaatca cacaggatga tgtgttaaca	180
gtattagggt ggaagaggaa tcaagagtaa agaggtaggg gtttactcat ttttcttccc	240
tgagccaggt gtgacaagcc aactctgtca ccattcgtga ggggagagtt gcagtcctct	300
tcaagctgtt atcataagta cagtagtcag ctacttggat atcaagacta agtgctgata	360
tgaagacttg cttttgtgtt ttgttatgaa acacgcaagc ataaagcagg actcaagcac	420
aaggctgact gttctacttt gaataacagc ttccttgcag tctcctccac atgggtggta	480
ctgtgttttag aagggtattac caaaggctgg agcgatttaa gctatgcact agccttgccc	540
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tacagagctt gtgaaaagtg cagaaacctg agcctcacct tatgagattc tgattcagcc	660
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tctcgggatt gcaggttgaa aaacacacct taatcagcag taaatcttct ctactcggn	780
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<210> 537

<211> 773

<212> DNA

<213> Homo sapiens

<400> 537

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tgacatggta tticattgtg attttaattt gcatttcctt gatgataagt gatattgagc	180
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ctatatatat caagcatacc acttgtagaa tctgttctga ttttttcct gaatctacct	600
ggagtgtctt aatgaatgac tctacttaga cttccccag agaaatgatt acataataat	660
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<210> 538

<211> 856

<212> DNA

<213> Homo sapiens

<400> 538

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aaacaaaact aaagactcta ccaaaaaact catagaactg ataaattttg aaaagttaga	420
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gaaaaagaaa tcaaggtaac cccatttata atagctgtga aaaaaatcta ggaataaatt 540
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 gaaggagata caaacaatt gaaagacact ccgtactcat ggattagagg aattaatata 660
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 actgacattc ttcacagaaa ttgccaccaa aaaaaattct taaaatttat atggaaccac 780
 agaccccaaa tgccaagcaa tactgagcaa aaagaccaag ctggagtatc acctccagac 840
 tcaaaatata atcaaa 856

<210> 539

<211> 791

<212> DNA

<213> Homo sapiens

<400> 539

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<210> 540

<211> 865

<212> DNA

<213> Homo sapiens

<400> 540

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<210> 541

<211> 562

<212> DNA

<213> Homo sapiens

<400> 541

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<210> 542

<211> 865

<212> DNA

<213> Homo sapiens

<400> 542

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<210> 543

<211> 756

<212> DNA

<213> Homo sapiens

<400> 543

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gcggcccgca gccggcgag ccaggagacc gaggtgctgt accagctggc tcacacgctg 180
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gcgcagactt ctccagctgg gagcccttga ctcaaaaccc ccgnttgcan tgcttggtgc 720
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<210> 544

<211> 797

<212> DNA

<213> Homo sapiens

<400> 544

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<210> 545

<211> 808

<212> DNA

<213> Homo sapiens

<400> 545

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 gactccagta ctcaagacag gctcatagcg ctgaaagcag taacaaatgt tggcgttcca 720
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 cagattgctc aagggaactt ccaggaag 808

<210> 546

<211> 824

<212> DNA

<213> Homo sapiens

<400> 546

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 tttatgacta tatattaaat gttttatgtt ttcaaataat ttttccaaat ggtctcagtt 180
 tcccatccaa gggaaatcaa gcatatgcct aaagatctac tgttcagtaa gttgtagcta 240
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 cctgtgcaaa ataccagtgt gccccaaaat ctacatacct gacctttcgt tatactctgtt 360
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 taatttgcct aatccctgtc cctttaatag cccctcagtg tttaaaatgt gggggaacat 720
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<210> 547

<211> 835

<212> DNA

<213> Homo sapiens

<400> 547

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gattgaaaac agaagaaacc agcggagagg tcacataaca acattggaag caaggagagt 660
ggaatttaga attcaggacg tggagagtgt tatcagcaat atggcagaat aggagttcct 720
tgggttcaca caccacccc ccaaaatgta actagcaatg atccgcangc aaaaaatact 780
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<210> 548

<211> 803

<212> DNA

<213> Homo sapiens

<400> 548

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ggagggttcg aagaaaacat ccagggcgga ggctcagctg tgattgacat ggagaacatg 180

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gatgatacct caggtcttag cttagaggat atgggtgagc tgcatcagcg cctgcgcgag 240
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 gcactgctgg gctatggnet ctttgggcat ttgcattggc ctggatcatca cctataatat 780
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<210> 549

<211> 790

<212> DNA

<213> Homo sapiens

<400> 549

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 tgcagtttgc agaagctgtt tgctgtggaa gaggagtttg aagatgagga tttcttgtct 180
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gactagctct ggattatttc ctcgataacc cttacaacag cagcaagttg gtggctttga 720
 ngggcctgaa caagacgaat ttgataaagt cctggcaagc atggaantt gangaacctg 780
 gcattgggaa 790

<210> 550

<211> 753

<212> DNA

<213> Homo sapiens

<400> 550

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 gacatgtaca atgacacatt aaatggcagt acagagaaaa ggagtgcaga attgcctgat 180
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 gccttttctc ttgcagcaac agcccaggct gctccaagga tcattactgg gcctgcgccg 660
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<210> 551

<211> 778

<212> DNA

<213> Homo sapiens

<400> 551

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aacctaatat	gattttttta	gaaatttata	atttcattag	agaaatagat	gtataaacia	300
agaaattata	atacaaacat	tgtgataagt	gcaggaagta	gaaaatagtg	attattgctt	360
tcttcaaaca	taaagtattg	ttagtcagga	gtccttcagt	tgtaagtgcc	agaaacccaa	420
tttcaaacag	caaaagcaga	aaatggaatc	tattggctcg	catccctaca	aattccagga	480
atagaactgt	gctaaggac	tcaaataatg	ttgttgggtc	ttcatagctt	attctggttt	540
atttcttgct	tttggggcct	tgcttttttc	ttctgaagat	ggactctgaa	gtgaattcta	600
cagcacacta	cccagatgcc	ttatttagaa	tcgaagcatt	ggtttccttc	aggttttggg	660
agtgttggct	gctgatggct	catagntgag	tctctttctg	agacaaaggg	angtgtctca	720
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<210> 552

<211> 761

<212> DNA

<213> Homo sapiens

<400> 552

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cgggagtggc	accatggacc	tgcccttcca	gacccctcc	caatcctcgg	gcctggacac	360
cagccggacc	accgggcacc	atgggctggt	ggacagggtg	taccgggagc	gtggccggct	420
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cccctatggc accatgtacc tctcaccacc cgcggacacc agctggagaa ggaccaattc 540
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 acatcagaag cagacaaaaa cttttccaag caaacattgg acaccaagaa gacnggggtcc 720
 aaggnccaaa atcctngtaa ggtcccccg aaattaaaca t 761

<210> 553

<211> 734

<212> DNA

<213> Homo sapiens

<400> 553

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 tatggaacta ttacagaatt ctgcactgaa gcaagctgtc cagtcatgtc tgcagggtccg 480
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 tttccttcta agattgggtga gtttaacattg tcgaagtatt ctttcttttt ttaaaatttt 660
 attttattaa tataaataga gttggggggg gtttgctggg ttggccangt tggncatcaa 720
 ctcttgcct naag 734

<210> 554

<211> 667

<212> DNA

<213> Homo sapiens

<400> 554

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tgatctgcta atgggttgcc acccacaacc attgcittag cacttttact tcaaataaat 120
gaaggattga taaaagtctt cctgggtgtc ccgcagagtg ccttccagga acagatcttt 180
gcatagaata tcagtggttt ctttttttgt ttcaaatagt ggtcagaaaa taccagtgt 240
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cagcttccca aagtgtgag atgacagggtg tgagccatca gaccagcat ttttttttt 600
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gntgggtg 667

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<210> 555

<211> 823

<212> DNA

<213> Homo sapiens

<400> 555

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actgagattt aaaaacaccc acacatatat ttgcaatcat atttgtgtgc ttggttaaac 360
atgtcaacat ttaacagatt tgagccttct aaatttaate cagcatgaat gtcgttttta 420

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ctaaaatatt tgctatttta ctcacttagc tggttcctta cacaagtcca gttaaatttc 480
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 ccacaagggg cagagattgg taatacgttg tccccccagt ggacttaaaa cagtactggc 720
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<210> 556

<211> 868

<212> DNA

<213> Homo sapiens

<400> 556

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<210> 557

<211> 862

<212> DNA

<213> Homo sapiens

<400> 557

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tgtgcattta gcatggatga cattgaaaaa gtattcaaag gacggtttaa gggaacagaa 780
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<210> 558

<211> 862

<212> DNA

<213> Homo sapiens

<400> 558

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 aaaagcatat tcccctacat gcagttgtat cttctgcaa cttcttttat cttttttagg 720
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<210> 559

<211> 849

<212> DNA

<213> Homo sapiens

<400> 559

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 taaaaagcaa tcctaaaaca gaaggaactg ccgggttggc tttctaccaa atattgtttg 780
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<210> 560

<211> 702

<212> DNA

<213> Homo sapiens

<400> 560

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 gcgattctcc tgcctcacc tcccgagtag ctgggattac gggcatgcgc caccacgcc 660
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<210> 561

<211> 856

<212> DNA

<213> Homo sapiens

<400> 561

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aatggaagga aaaaagatgg cagtgacccc ggaccaggac aaaccagtgc ccttgnactg 840
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<210> 562

<211> 841

<212> DNA

<213> Homo sapiens

<400> 562

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 gntaaactaa acatgggcag aactgcttta agcctttgaa tcttgntctt aaagccaggt 780
 tgagggtatg ggttntaatc tttatatctc ctttcactta agcttgcact agtcattgga 840
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<210> 563

<211> 777

<212> DNA

<213> Homo sapiens

<400> 563

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 aatacattcc ccaacatata taataattat aaaataatat agtaactgtt aagttatttc 180
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<210> 564

<211> 753

<212> DNA

<213> Homo sapiens

<400> 564

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<210> 565

<211> 866

<212> DNA

<213> Homo sapiens

<400> 565

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tggaaggctg aggcacatgg accacttgag gtcaagagtt tgagaccagc ctgaccaaca	180
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tgtaattccg gctactcggg aggccgaggc gggagaattg cttgaacccg ggaggtggag	300
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<210> 566

<211> 813

<212> DNA

<213> Homo sapiens

<400> 566

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ttatactagt ttgtataaac tgttcaactc ctatagctct tacgtctcac tctcagttag	180
ctggtaacag aatcttcaca gacaagtggg tgcacattcc atttatttag caatgccctc	240
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg gtgtgtatag gtttaattttg	300

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 tgctcaagtt aaagctgggc tctaccagg gacataatgg gctcctggtt aacatattta 780
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<210> 567

<211> 816

<212> DNA

<213> Homo sapiens

<400> 567

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 gtctttact aatctttaaa cattattaag tagtgagaaa tattatttct actgatttat 180
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816

<210> 568

<211> 825

<212> DNA

<213> Homo sapiens

<400> 568

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<210> 569

<211> 800

<212> DNA

<213> Homo sapiens

<400> 569

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 gcttcggaga ctccagacaa tcgccttttg cctcctcgtc ggagcactcc tcggagaacg 180
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<210> 570

<211> 892

<212> DNA

<213> Homo sapiens

<400> 570

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<210> 571

<211> 876

<212> DNA

<213> Homo sapiens

<400> 571

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<210> 572

<211> 879

<212> DNA

<213> Homo sapiens

<400> 572

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tcaaactgta tcaagcgtag gccagaaaca atcttgngg attaccctga cccaaaagaa 840
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<210> 573

<211> 833

<212> DNA

<213> Homo sapiens

<400> 573

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<210> 574

<211> 894

<212> DNA

<213> Homo sapiens

<400> 574

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<210> 575

<211> 861

<212> DNA

<213> Homo sapiens

<400> 575

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 aatgttcact ggccaggga ctgcattgat tcctnttgn aaangccacc catttaccaa 840
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<210> 576

<211> 889

<212> DNA

<213> Homo sapiens

<400> 576

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ggattatttt tatagaccat ggaaagttac aaatgttttt aagcagagaa ttacgtcttt 840
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<210> 577

<211> 804

<212> DNA

<213> Homo sapiens

<400> 577

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<210> 578

<211> 893

<212> DNA

<213> Homo sapiens

<400> 578

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<210> 579

<211> 892

<212> DNA

<213> Homo sapiens

<400> 579

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<210> 580

<211> 887

<212> DNA

<213> Homo sapiens

<400> 580

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<210> 581

<211> 801

<212> DNA

<213> Homo sapiens

<400> 581

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<210> 582

<211> 847

<212> DNA

<213> Homo sapiens

<400> 582

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<210> 583

<211> 825

<212> DNA

<213> Homo sapiens

<400> 583

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<210> 584

<211> 902

<212> DNA

<213> Homo sapiens

<400> 584

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<210> 585

<211> 739

<212> DNA

<213> Homo sapiens

<400> 585

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<210> 586

<211> 783

<212> DNA

<213> Homo sapiens

<400> 586

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<210> 587

<211> 827

<212> DNA

<213> Homo sapiens

<400> 587

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<210> 588

<211> 379

<212> DNA

<213> Homo sapiens

<400> 588

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<210> 589

<211> 710

<212> DNA

<213> Homo sapiens

<400> 589

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710

<210> 590

<211> 813

<212> DNA

<213> Homo sapiens

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<210> 591

<211> 787

<212> DNA

<213> Homo sapiens

<400> 591

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<210> 592

<211> 805

<212> DNA

<213> Homo sapiens

<400> 592

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<210> 593

<211> 826

<212> DNA

<213> Homo sapiens

<400> 593

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<210> 594

<211> 800

<212> DNA

<213> Homo sapiens

<400> 594

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<210> 595

<211> 803

<212> DNA

<213> Homo sapiens

<400> 595

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<210> 596

<211> 745

<212> DNA

<213> Homo sapiens

<400> 596

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<210> 597

<211> 764

<212> DNA

<213> Homo sapiens

<400> 597

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<210> 598

<211> 777

<212> DNA

<213> Homo sapiens

<400> 598

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<210> 599

<211> 819

<212> DNA

<213> Homo sapiens

<400> 599

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<210> 600

<211> 760

<212> DNA

<213> Homo sapiens

<400> 600

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<210> 601

<211> 828

<212> DNA

<213> Homo sapiens

<400> 601

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caggaatttg attctgaaga agaactggtg aggattctct aatggaagac tcagaaattg 780
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<210> 602

<211> 847

<212> DNA

<213> Homo sapiens

<400> 602

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<210> 603

<211> 798

<212> DNA

<213> Homo sapiens

<400> 603

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 ccaaagtgtt attttagta ggtgagtgac actgcatctg cgtgttttcc tttttattg 300
 gcctttggta gtcagacttt tatgatttgt tgaattataa aatacatgta aactgtaaac 360
 ctgctttact cagtttgttt gacttcattt gcacttgctc ataattgattg agtttggccc 420
 ccacgtccaa aagacttgag ttcaaattgt ggttctgtca cattctctca accactgtat 480
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<210> 604

<211> 725

<212> DNA

<213> Homo sapiens

<400> 604

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<210> 605

<211> 723

<212> DNA

<213> Homo sapiens

<400> 605

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<210> 606

<211> 852

<212> DNA

<213> Homo sapiens

<400> 606

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<210> 607

<211> 868

<212> DNA

<213> Homo sapiens

<400> 607

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<210> 608

<211> 819

<212> DNA

<213> Homo sapiens

<400> 608

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<210> 609

<211> 865

<212> DNA

<213> Homo sapiens

<400> 609

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<210> 610

<211> 825

<212> DNA

<213> Homo sapiens

<400> 610

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<210> 611

<211> 869

<212> DNA

<213> Homo sapiens

<400> 611

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 gttagcactg aaagatacta atgttaagaa cagatgtcta ctgnctgatt attgggaaaa 720
 tattagtgtt tcttantaga agcaacacag ttttttttaa tactagattt ctcatctga 780
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<210> 612

<211> 866

<212> DNA

<213> Homo sapiens

<400> 612

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tgtcatgcag agtataagaa tgctttgaac aatttgtaga cttagtgaat taaaataaga 780
ggaaagccaa aaacaaacaa caaaagcat atggggagct gnattttctc ttttaacttac 840
tggtgggcct tttattttct aatccn 866

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<210> 613

<211> 684

<212> DNA

<213> Homo sapiens

<400> 613

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 atccgtgccc ctgccgtgcg gaccctgcag cgattccaga caagccaccg gacccgnggg 660
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<210> 614

<211> 716

<212> DNA

<213> Homo sapiens

<400> 614

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<210> 615

<211> 856

<212> DNA

<213> Homo sapiens

<400> 615

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<210> 616

<211> 781

<212> DNA

<213> Homo sapiens

<400> 616

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 ggcagtatac agaagccata tcagttgggtg aaaaacttta tcagttcata gagccttttg 180
 aagaaaaatt tgcccaagca gtgtgttttt tgctttaga cctgtatata ttaacctacc 240
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 ttgccatgag caagcacaat ttgggaatat tctactttaa aaaggctctg caagagaatg 720
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<210> 617

<211> 724

<212> DNA

<213> Homo sapiens

<400> 617

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 gaagaggaga aggtgctga cattgacctc taccactgcc ccaactgtga agtcttgcat 180
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accagacttt ctaaccttgt ggagacaccg aagattgttc gaaagctgtc atgggtcgaa 660
aacttgtggc cagaggaatg tgnctttgag agaccaatg tncagaanta ctggctcatg 720
aatg 724

<210> 618

<211> 768

<212> DNA

<213> Homo sapiens

<400> 618

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ctgctttgct gcgccttttc ctctcccgac ctgctgagtg ccaggacatg ctaggacgtt 720
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<210> 619

<211> 866

<212> DNA

<213> Homo sapiens

<400> 619

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cnaggaacta gtgtgggcct atgctgatgg gtcctgcana aaagtgaaga ggtcgtttca 840
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<210> 620

<211> 855

<212> DNA

<213> Homo sapiens

<400> 620

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aagaaattat ggctggatgg acagcagatg actcaaattt gaatacagct tgtccattct 240

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<210> 621
 <211> 758
 <212> DNA
 <213> Homo sapiens

<400> 621
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<210> 622

<211> 764

<212> DNA

<213> Homo sapiens

<400> 622

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<210> 623

<211> 800

<212> DNA

<213> Homo sapiens

<400> 623

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<210> 624

<211> 877

<212> DNA

<213> Homo sapiens

<400> 624

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<210> 625

<211> 794

<212> DNA

<213> Homo sapiens

<400> 625

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<210> 626

<211> 744

<212> DNA

<213> Homo sapiens

<400> 626

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<210> 627

<211> 895

<212> DNA

<213> Homo sapiens

<400> 627

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<210> 628

<211> 751

<212> DNA

<213> Homo sapiens

<400> 628

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 aatcagtga cctacgttga tacatcatta ttgaagncc atagcttaca ttagggttca 180
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ttaggttttc atgtggacat tagttttcag ctgatttgag taaataccaa gaagcatgat 660
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<210> 629

<211> 734

<212> DNA

<213> Homo sapiens

● <400> 629

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<210> 630

<211> 740

<212> DNA

<213> Homo sapiens

<400> 630

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<210> 631

<211> 478

<212> DNA

<213> Homo sapiens

<400> 631

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<210> 632

<211> 724

<212> DNA

<213> Homo sapiens

<400> 632

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<210> 633

<211> 677

<212> DNA

<213> Homo sapiens

<400> 633

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<210> 634

<211> 817

<212> DNA

<213> Homo sapiens

<400> 634.

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<210> 635

<211> 794

<212> DNA

<213> Homo sapiens

<400> 635

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<210> 636

<211> 894

<212> DNA

<213> Homo sapiens

<400> 636

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<210> 637

<211> 904

<212> DNA

<213> Homo sapiens

<400> 637

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<210> 638

<211> 895

<212> DNA

<213> Homo sapiens

<400> 638

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<210> 639

<211> 855

<212> DNA

<213> Homo sapiens

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<210> 640

<211> 837

<212> DNA

<213> Homo sapiens

<400> 640

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<210> 641

<211> 893

<212> DNA

<213> Homo sapiens

<400> 641

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<210> 642

<211> 898

<212> DNA

<213> Homo sapiens

<400> 642

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<210> 643

<211> 744

<212> DNA

<213> Homo sapiens

<400> 643

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<210> 644

<211> 755

<212> DNA

<213> Homo sapiens

<400> 644

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<210> 645

<211> 733

<212> DNA

<213> Homo sapiens

<400> 645

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<210> 646

<211> 789

<212> DNA

<213> Homo sapiens

<400> 646

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<210> 647

<211> 792

<212> DNA

<213> Homo sapiens

<400> 647

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<210> 648

<211> 847

<212> DNA

<213> Homo sapiens

<400> 648

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aatgacatat ctaaagatac gtaacagcta aaattctgcc agtgagaaat tttcctgttt 180
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<210> 649

<211> 761

<212> DNA

<213> Homo sapiens

<400> 649

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aattttcagc atttttgcac tggattttatc ctcatcttca tggattttatc tacccttgan 720
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<210> 650

<211> 779

<212> DNA

<213> Homo sapiens

<400> 650

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<210> 651

<211> 861

<212> DNA

<213> Homo sapiens

<400> 651

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<210> 652

<211> 726

<212> DNA

<213> Homo sapiens.

<400> 652

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<210> 653

<211> 646

<212> DNA

<213> Homo sapiens

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<210> 654

<211> 735

<212> DNA

<213> Homo sapiens

<400> 654

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<210> 655

<211> 910

<212> DNA

<213> Homo sapiens

<400> 655

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<210> 656

<211> 784

<212> DNA

<213> Homo sapiens

<400> 656

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784

<210> 657

<211> 875

<212> DNA

<213> Homo sapiens

<400> 657

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<210> 658

<211> 815

<212> DNA

<213> Homo sapiens

<400> 658

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<210> 659

<211> 923

<212> DNA

<213> Homo sapiens

<400> 659

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aatcaggaga cagaaagcac agtttccatg aacagagaaa gttgaatgta aagaaattaa 480
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<210> 660

<211> 808

<212> DNA

<213> Homo sapiens

<400> 660

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808

<210> 661

<211> 746

<212> DNA

<213> Homo sapiens

<400> 661

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<210> 662

<211> 864

<212> DNA

<213> Homo sapiens

<400> 662

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 ggttttaata gtggttanat ggaa 864

<210> 663

<211> 872

<212> DNA

<213> Homo sapiens

<400> 663

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 agattttcca gattaaaacc atttggtgaa atcatcaaag agatgttaat cctgctttag 180
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 taattcacct tcaactctgt gtagctacca gttgcaggac tagctgcatt ttggccagaa 420
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 gtatttgaac ttttaatggc tggtgngta ctctccttag acacatttaa aactttaagc 840
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<210> 664

<211> 873

<212> DNA

<213> Homo sapiens

<400> 664

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<210> 665

<211> 871

<212> DNA

<213> Homo sapiens

<400> 665

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tcaggagtgt aattattttc ccttacccca atcctgngna cgtgttgggt atagttccac 840
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<210> 666

<211> 872

<212> DNA

<213> Homo sapiens

<400> 666

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 atgcttgncc gttcccacac aagcccttct ttttctctgg tcccgaaca ctggttgcct 840
 ctggtactga gaaggcaatc tgggtaaagg aa 872

<210> 667

<211> 870

<212> DNA

<213> Homo sapiens

<400> 667

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 cattgatggg aatgttggtg cttacttacc aaatcttcaa gggattcaga aacagccaag 840
 ccttctgtaa tggcatcaga aagcctggag 870

<210> 668

<211> 693

<212> DNA

<213> Homo sapiens

<400> 668

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<210> 669

<211> 817

<212> DNA

<213> Homo sapiens

<400> 669

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<210> 670

<211> 667

<212> DNA

<213> Homo sapiens

<400> 670

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<210> 671

<211> 687

<212> DNA

<213> Homo sapiens

<400> 671

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<210> 672

<211> 812

<212> DNA

<213> Homo sapiens

<400> 672

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<210> 673

<211> 882

<212> DNA

<213> Homo sapiens

<400> 673

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<210> 674

<211> 897

<212> DNA

<213> Homo sapiens

<400> 674

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<210> 675

<211> 838

<212> DNA

<213> Homo sapiens

<400> 675

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 tcaaattgtt ggtgaataag taaataaacc cactggtcat gtgcaccttn accccagtag 780
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<210> 676

<211> 541

<212> DNA

<213> Homo sapiens

<400> 676

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<210> 677

<211> 639

<212> DNA

<213> Homo sapiens

<400> 677

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<210> 678

<211> 726

<212> DNA

<213> Homo sapiens

<400> 678

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 tgaaaatgcc ctctttacgt ctatccagtc cttacaatct gagtctgagc ccctgagcct 180
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<210> 679

<211> 893

<212> DNA

<213> Homo sapiens

<400> 679

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<210> 680

<211> 731

<212> DNA

<213> Homo sapiens

<400> 680

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<210> 681

<211> 751

<212> DNA

<213> Homo sapiens

<400> 681

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<210> 682

<211> 798

<212> DNA

<213> Homo sapiens

<400> 682

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<210> 683

<211> 854

<212> DNA

<213> Homo sapiens

<400> 683

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gagactccta gattgtacta tttgcttaat agattaatga aatttatcag atacaacctg 180
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<210> 684

<211> 868

<212> DNA

<213> Homo sapiens

<400> 684

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<210> 685

<211> 713

<212> DNA

<213> Homo sapiens

<400> 685

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<210> 686

<211> 842

<212> DNA

<213> Homo sapiens

<400> 686

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<210> 687

<211> 918

<212> DNA

<213> Homo sapiens

<400> 687

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<210> 688

<211> 860

<212> DNA

<213> Homo sapiens

<400> 688

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<210> 689

<211> 784

<212> DNA

<213> Homo sapiens

<400> 689

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<210> 690

<211> 911

<212> DNA

<213> Homo sapiens

<400> 690

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<212> DNA

<213> Homo sapiens

<400> 691

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<210> 692

<211> 756

<212> DNA

<213> Homo sapiens

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<210> 693

<211> 733

<212> DNA

<213> Homo sapiens

<400> 693

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<211> 745

<212> DNA

<213> Homo sapiens

<400> 694

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<211> 846

<212> DNA

<213> Homo sapiens

<400> 695

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<211> 600

<212> DNA

<213> Homo sapiens

<400> 696

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<210> 697

<211> 788

<212> DNA

<213> Homo sapiens

<400> 697

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<211> 785

<212> DNA

<213> Homo sapiens

<400> 698

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<211> 784

<212> DNA

<213> Homo sapiens

<400> 699

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<210> 700

<211> 787

<212> DNA

<213> Homo sapiens

<400> 700

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<210> 701

<211> 514

<212> DNA

<213> Homo sapiens

<400> 701

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<210> 702

<211> 765

<212> DNA

<213> Homo sapiens

<400> 702

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765

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<211> 783

<212> DNA

<213> Homo sapiens

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<211> 808

<212> DNA

<213> Homo sapiens

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<210> 707

<211> 803

<212> DNA

<213> Homo sapiens

<400> 707

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<210> 708

<211> 799

<212> DNA

<213> Homo sapiens

<400> 708

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tgttataatt gcttattagt gacatcatcc atccatggcc cagtaaacac aacattctct 180

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<210> 709

<211> 799

<212> DNA

<213> Homo sapiens

<400> 709

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<210> 710

<211> 805

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<213> Homo sapiens

<400> 710

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<210> 711

<211> 800

<212> DNA

<213> Homo sapiens

<400> 711

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<210> 712

<211> 797

<212> DNA

<213> Homo sapiens

<400> 712

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<210> 713

<211> 818

<212> DNA

<213> Homo sapiens

<400> 713

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<210> 714

<211> 822

<212> DNA

<213> Homo sapiens

<400> 714

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<211> 820

<212> DNA

<213> Homo sapiens

<400> 715

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<210> 716

<211> 816

<212> DNA

<213> Homo sapiens

<400> 716

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<210> 717

<211> 777

<212> DNA

<213> Homo sapiens

<400> 717

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<210> 718

<211> 819

<212> DNA

<213> Homo sapiens

<400> 718

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<210> 719

<211> 818

<212> DNA

<213> Homo sapiens

<400> 719

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<210> 720

<211> 819

<212> DNA

<213> Homo sapiens

<400> 720

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819

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<212> DNA

<213> Homo sapiens

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<211> 818

<212> DNA

<213> Homo sapiens

<400> 722

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<211> 818

<212> DNA

<213> Homo sapiens

<400> 723

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gctactttga gaaccactgg aaattatttt gccaaacttga aagttcaagt taggatacca 540
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<210> 724

<211> 825

<212> DNA

<213> Homo sapiens

<400> 724

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<210> 725

<211> 820

<212> DNA

<213> Homo sapiens

<400> 725

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taattttgat ggatttttta aatgccaaaa tccaatcatc aaggccaaag aaatgcatga  660
ttactctgat ttcttatgca ccattcagtc aagacttaac tcagaggcag ttgattcagt  720
gcttacatct agacaaagct ttaatgagtg cagaccagc ctaacagtat ttcattctaat  780
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<210> 726

<211> 643

<212> DNA

<213> Homo sapiens

<400> 726

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tggcccccac tcctccatga ggggctgatg aggggtgggc agcctggggg aggctttcct  180
    
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cgcaagcaca gagctctgag gctcagcccc ctggcacagg cggtcacgca tcaggacggt 240
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<210> 727

<211> 734

<212> DNA

<213> Homo sapiens

<400> 727

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 tctgtaatg taaaaatcca tgcttcagga ttccacaaac tcttggaag ctttttctg 660
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 ttcccccccc cccc 734

<210> 728

<211> 781

<212> DNA

<213> Homo sapiens

<400> 728

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gcagcagcca tgagcggcgg cgtgtacggg ggagatgaag ttggagccct tgtttttgac 180
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ggcgataaag gcaaacaagg cggccccacc tactacatag atactaatgc tctgcgtgtt 360
ccgagggaga atatggaggc catttcacct ctaaaaaatg ggatggttga agactgggat 420
agtttccaag ctattttga tcatacctac aaaatgcatg tcaaatacaga agccagtctc 480
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gagttaatgt ttgaacacta caacatccct gccttcttcc ttgcaaaac tgcagttttg 600
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cactgcaaan ttccaagtt ncccccaaaa cccggaaaat tttggggggg gncccccttt 720
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<210> 729

<211> 772

<212> DNA

<213> Homo sapiens

<400> 729

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ggttcattgct tgaagtttta atgacaaaga atgaaaacaa tagccatgcc tttatgaaga 180
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 aaaaggactt ctgtaacgat aagagttata tttcagaaga gacaagagta cttctgttaa 420
 caggaaagcc aaagcctgct ggagtactag gtgcagtaaa taagccttta tcagcaacgg 480
 gaaggaaacc ctatgttaga agcactggca ctgagactgg aagcaatatt aatgtaaatt 540
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 atattggacc ccagttaaaa ggaaaaattt taaaaaaggg gggaaaaaaa aaaatttttt 720
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<210> 730

<211> 730

<212> DNA

<213> Homo sapiens

<400> 730

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 ataaacaacg actgcttttt tcctgtctct tatggctgac ctttatgtat ttcttctgga 540
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ccttgtccaa acctgggncc ccccccaaa ttaaaccn anccctttt ttttaaacc 720
cccaaatttt 730

<210> 731

<211> 693

<212> DNA

<213> Homo sapiens

<400> 731

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<210> 732

<211> 681

<212> DNA

<213> Homo sapiens

<400> 732

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 ttctcattgt tcaattccca cctaagagtg agaacatgcg gtgtttgggtt ttctgtcctt 600
 gcgatagttt gctgagaatg atggtttccc gttcatcca tgcctacca aggaccatga 660
 aacttcaatc ccctttttnn n 681

<210> 733

<211> 711

<212> DNA

<213> Homo sapiens

<400> 733

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 gcagaccatc ggggccgctt cgtggccaan gtgatgtcgg tcggagaccg gacttgtgaa 660

canttaaggg ttaatttttt gggggggggg naaaaaccaa accccccaaa a 711

<210> 734

<211> 759

<212> DNA

<213> Homo sapiens

<400> 734

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<210> 735

<211> 804

<212> DNA

<213> Homo sapiens

<400> 735

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<210> 736

<211> 804

<212> DNA

<213> Homo sapiens

<400> 736

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<210> 737

<211> 806

<212> DNA

<213> Homo sapiens

<400> 737

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<210> 738

<211> 716

<212> DNA

<213> Homo sapiens

<400> 738

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<210> 739

<211> 808

<212> DNA

<213> Homo sapiens

<400> 739

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<210> 740

<211> 773

<212> DNA

<213> Homo sapiens

<400> 740

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<210> 741

<211> 798

<212> DNA

<213> Homo sapiens

<400> 741

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<211> 824

<212> DNA

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<400> 742

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<210> 743

<211> 820

<212> DNA

<213> Homo sapiens

<400> 743

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<210> 744

<211> 760

<212> DNA

<213> Homo sapiens

<400> 744

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 gcttgactca ggcggggctg atcaaaggcc atttgctgtt ttagagtgtt cctatgtgtg 660
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<210> 745

<211> 820

<212> DNA

<213> Homo sapiens

<400> 745

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<210> 746

<211> 815

<212> DNA

<213> Homo sapiens

<400> 746

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<210> 747

<211> 784

<212> DNA

<213> Homo sapiens

<400> 747

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<210> 748

<211> 781

<212> DNA

<213> Homo sapiens

<400> 748

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<211> 781

<212> DNA

<213> Homo sapiens

<400> 749

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<211> 699

<212> DNA

<213> Homo sapiens

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<211> 704

<212> DNA

<213> Homo sapiens

<400> 751

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<210> 752

<211> 777

<212> DNA

<213> Homo sapiens

<400> 752

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<211> 755

<212> DNA

<213> Homo sapiens

<400> 753

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<210> 754

<211> 777

<212> DNA

<213> Homo sapiens

<400> 754

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<210> 755

<211> 764

<212> DNA

<213> Homo sapiens

<400> 755

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<210> 756

<211> 800

<212> DNA

<213> Homo sapiens

<400> 756

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<210> 757

<211> 798

<212> DNA

<213> Homo sapiens

<400> 757

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<211> 797

<212> DNA

<213> Homo sapiens

<400> 758

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aatctttcct ctgctcg 797
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<211> 798

<212> DNA

<213> Homo sapiens

<400> 759

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<210> 760

<211> 797

<212> DNA

<213> Homo sapiens

<400> 760

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 aatttcattc catctttaaa gcttttagaaa tctagaggaa aaattcagta ggaatacgac 720
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<210> 761

<211> 798

<212> DNA

<213> Homo sapiens

<400> 761

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<210> 762

<211> 791

<212> DNA

<213> Homo sapiens

<400> 762

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<210> 763

<211> 801

<212> DNA

<213> Homo sapiens

<400> 763

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<210> 764

<211> 819

<212> DNA

<213> Homo sapiens

<400> 764

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 aaagcacttg catcatttcc ttaagtcac tgcctcctga catgttttct tccctaataa 180
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819

<210> 765

<211> 774

<212> DNA

<213> Homo sapiens

<400> 765

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<211> 821

<212> DNA

<213> Homo sapiens

<400> 766

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<210> 767

<211> 737

<212> DNA

<213> Homo sapiens

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<210> 768

<211> 782

<212> DNA

<213> Homo sapiens

<400> 768

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<210> 769

<211> 767

<212> DNA

<213> Homo sapiens

<400> 769

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<211> 793

<212> DNA

<213> Homo sapiens

<400> 770

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<210> 771

<211> 819

<212> DNA

<213> Homo sapiens

<400> 771

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<211> 818

<212> DNA

<213> Homo sapiens

<400> 772

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<212> DNA

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<400> 773

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<211> 849

<212> DNA

<213> Homo sapiens

<400> 774

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<211> 739

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<210> 776

<211> 846

<212> DNA

<213> Homo sapiens

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<211> 853

<212> DNA

<213> Homo sapiens

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<211> 848

<212> DNA

<213> Homo sapiens

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<211> 730

<212> DNA

<213> Homo sapiens

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<210> 780

<211> 786

<212> DNA

<213> Homo sapiens

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<211> 826

<212> DNA

<213> Homo sapiens

<400> 781

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<210> 782

<211> 843

<212> DNA

<213> Homo sapiens

<400> 782

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<211> 846

<212> DNA

<213> Homo sapiens

<400> 783

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<211> 846

<212> DNA

<213> Homo sapiens

<400> 784

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<212> DNA

<213> Homo sapiens

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<211> 837

<212> DNA

<213> Homo sapiens

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<211> 835

<212> DNA

<213> Homo sapiens

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<211> 833

<212> DNA

<213> Homo sapiens

<400> 788

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<210> 789

<211> 727

<212> DNA

<213> Homo sapiens

<400> 789

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<210> 790

<211> 802

<212> DNA

<213> Homo sapiens

<400> 790

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<210> 791

<211> 859

<212> DNA

<213> Homo sapiens

<400> 791

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<210> 792

<211> 879

<212> DNA

<213> Homo sapiens

<400> 792

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<210> 793

<211> 886

<212> DNA

<213> Homo sapiens

<400> 793

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<210> 794

<211> 883

<212> DNA

<213> Homo sapiens

<400> 794

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<210> 795

<211> 777

<212> DNA

<213> Homo sapiens

<400> 795

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aagtacatga aatatgaaga agagctaccc gntttccact tggggttcaa gtgccaagtt 720
gggcnggcaa gcccccccg gggnaaaaga agatcttacc ggcaaggaag ccaaaca 777
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<210> 796

<211> 735

<212> DNA

<213> Homo sapiens

<400> 796

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<210> 797

<211> 753

<212> DNA

<213> Homo sapiens

<400> 797

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<210> 798

<211> 755

<212> DNA

<213> Homo sapiens

<400> 798

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<210> 799

<211> 752

<212> DNA

<213> Homo sapiens

<400> 799

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<210> 800

<211> 746

<212> DNA

<213> Homo sapiens

<400> 800

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<210> 801

<211> 878

<212> DNA

<213> Homo sapiens

<400> 801

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<210> 802

<211> 422

<212> DNA

<213> Homo sapiens

<400> 802

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<210> 803

<211> 607

<212> DNA

<213> Homo sapiens

<400> 803

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<210> 804

<211> 763

<212> DNA

<213> Homo sapiens

<400> 804

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<210> 805

<211> 748

<212> DNA

<213> Homo sapiens

<400> 805

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<210> 806

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<210> 807

<211> 768

<212> DNA

<213> Homo sapiens

<400> 807

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<210> 808

<211> 847

<212> DNA

<213> Homo sapiens

<400> 808

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gaggagctgt atttaatctg aacagaaaaat tccattttct tctgatgatt ttgtgactat	180
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<210> 809

<211> 838

<212> DNA

<213> Homo sapiens

<400> 809

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<210> 810

<211> 850

<212> DNA

<213> Homo sapiens

<400> 810

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 ctgaggagga actgaggaga ctaaagcaga ctaaagatcc atttgaacca cagcgacgtc 180
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 cggattgatc aggccagcct agactattca tacgctcgga agcngnttga cagggtgaa 780
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850

<210> 811

<211> 840

<212> DNA

<213> Homo sapiens

<400> 811

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 tgatacacac tgtggccttg atactgcacg acaagaatat ttgggtaact cattaagaca 180
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<210> 812

<211> 799

<212> DNA

<213> Homo sapiens

<400> 812

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<210> 813

<211> 748

<212> DNA

<213> Homo sapiens

<400> 813

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<210> 814

<211> 847

<212> DNA

<213> Homo sapiens

<400> 814

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<210> 815

<211> 808

<212> DNA

<213> Homo sapiens

<400> 815

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<210> 816

<211> 808

<212> DNA

<213> Homo sapiens

<400> 816

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<210> 817

<211> 820

<212> DNA

<213> Homo sapiens

<400> 817

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<210> 818

<211> 821

<212> DNA

<213> Homo sapiens

<400> 818

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<210> 819

<211> 691

<212> DNA

<213> Homo sapiens

<400> 819

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<210> 820

<211> 841

<212> DNA

<213> Homo sapiens

<400> 820

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<210> 821

<211> 807

<212> DNA

<213> Homo sapiens

<400> 821

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<210> 822

<211> 872

<212> DNA

<213> Homo sapiens

<400> 822

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aaagttaaag caaatnttta atgctgcctc aa 872
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<210> 823

<211> 808

<212> DNA

<213> Homo sapiens

<400> 823

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<210> 824

<211> 825

<212> DNA

<213> Homo sapiens

<400> 824

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<210> 825

<211> 820

<212> DNA

<213> Homo sapiens

<400> 825

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<210> 826

<211> 837

<212> DNA

<213> Homo sapiens

<400> 826

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<210> 827

<211> 746

<212> DNA

<213> Homo sapiens

<400> 827

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 caacaaagga gttctcccct ggccccctgac cttcttgatg cagcctgggc aggggggtggc 660
 aatagcgang gcggnatga gaagctgaag cggagcgtcc gagcagatcc gggccatcat 720
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<210> 828

<211> 660

<212> DNA

<213> Homo sapiens

<400> 828

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<210> 829

<211> 818

<212> DNA

<213> Homo sapiens

<400> 829

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gcaagcatca tgataagata tgtgtgaagc ccactaggaa ataaatcatt ctcttctcta  180
tgtttgactt gctagtaaac agaagacttc aagccagcca ggaaattaaa gtggcgacta  240
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<210> 830

<211> 901

<212> DNA

<213> Homo sapiens

<400> 830

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agactgtttt tttttttttt tttttttgca aaatgtcctt gatggtcata atgggtgtatt  180
    
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ttttaaaaat tccagttgtt ttigtatgtt ttcttatatc ccatcttaca ttcaattccc 240
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 caaaagaagt tattcatgtt tcctaaatgg gagcttacc catcggggta aaaatgggnc 840
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<210> 831

<211> 822

<212> DNA

<213> Homo sapiens

<400> 831

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<210> 832

<211> 804

<212> DNA

<213> Homo sapiens

<400> 832

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<210> 833

<211> 793

<212> DNA

<213> Homo sapiens

<400> 833

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gcccgatctc ata 793

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<210> 834

<211> 803

<212> DNA

<213> Homo sapiens

<400> 834

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catgtagcca tctgattaat tttttgtttc cctagacccc actcctctcc ctattcccca 300
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<210> 835

<211> 801

<212> DNA

<213> Homo sapiens

<400> 835

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gaaaaacacc cttnttttct g 801

<210> 836

<211> 849

<212> DNA

<213> Homo sapiens

<400> 836

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<210> 837

<211> 853

<212> DNA

<213> Homo sapiens

<400> 837

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<210> 838

<211> 874

<212> DNA

<213> Homo sapiens

<400> 838

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<210> 839

<211> 828

<212> DNA

<213> Homo sapiens

<400> 839

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attttaagnc tttaaagact tcctgctgga ttaacatatt gnatggag 828

<210> 840

<211> 885

<212> DNA

<213> Homo sapiens

<400> 840

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gtagatatta agtatgttaa atatgactcc atttttgtaa atcattaaca aaatgtctct 780
angtgtttgt cagcaatnaa cggnatctat atatggttat ttgattttat gtgcatgaag 840
aaaagttttg aagaatatca ttggcttgga aggaagtggg taatn 885

<210> 841

<211> 843

<212> DNA

<213> Homo sapiens

<400> 841

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cagaaggaat gaaataataa agatcagagc agaaataaat gaaatagagg ccaggaatac 180
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cacttcccag attcatttta tgaggccagc attaccctta accaaagcca gataaggaca 660
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aaaatactag caaactggaa ttggaatagc accattaaaa nggagccgta caccatgga 780
tcaagtgagg attttncct ctggaatggt aaaaaatngg gttcaacat tatgcccaaa 840
tca 843

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<210> 842

<211> 742

<212> DNA

<213> Homo sapiens

<400> 842

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 gcacctactt cactggcacc gtgggcaccc aggatgttga ctgtgacttc atcgacttca 660
 cttatgtgcc tgnctcttct gangaactgg atcgtgccct tgccaagggt gttggggagt 720
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<210> 843

<211> 636

<212> DNA

<213> Homo sapiens

<400> 843

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 tacctgcata ggatgtggag gaggcctatc tgaaaaaatg atcaattttg caattatcct 180
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 cgaaacagtt ggttttgccc caacttgtgg agagtaaata tgaacatttt agggccatgg 480
 gcactataga tgattactaa gttagataat acaagattac tcctgtagct gatgacattt 540
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<210> 844

<211> 856

<212> DNA

<213> Homo sapiens

<400> 844

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atcatggggg cagatctttc ctgtgctgtt cttgtgttag tgaataagtc tcacaagatc 180
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taagatgtga cttttctcct tgccttcctc cctgattgtg aggccttctcc agccctgtgg 300
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tgtgcaagtc tgaaccgtct tncctggttt tggatcatgt atcactactg gtggctctggg 780
gaatcatgcc caaanttaat gcaatactct cttaaattaa gttncctaag gcttttataa 840
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<210> 845

<211> 864

<212> DNA

<213> Homo sapiens

<400> 845

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tgcatcacaca tattttccaa atattacata tagtttcatg taatttatag acctattaag 180

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gccaacccat tttcttgat aggggattct ttagaagtc agcttaaata aagcccgtat 240
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 agtacatgct actggaacct tttatcatgt ttcttcctgg cttgcattac aacactgttg 360
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 atttaatttc ttagaggat ttaatcttt caactgcttg caattagatc ctaangcaat 780
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<210> 846

<211> 767

<212> DNA

<213> Homo sapiens

<400> 846

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 ggagttcaaa gccagcctgg ccaacatggc aaaacctcat ctgtattaaa aatacaaaaa 180
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 aggcacatc atgaaggtaa gcactcttaa atgatttttc ttaaattatt gcttcctgtg 600

ggagctttct gtcaatgatt cctggagttc accttgggaa cagagctggt gactgttctc 660
gtgagctgct catctggccc cagtgttgcc atctaaagga aaatttaaca ggagaacctg 720
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<210> 847

<211> 868

<212> DNA

<213> Homo sapiens

<400> 847

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gtaatataaa gtggccacat tacaaaatat aggttgtttc agcttgcaaa attaaacaac 480
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ttcccttctc tttggatatt gnatatttgc atattgaaga ngtcaaaaca cagtaatata 780
tgcatattaa gagaattgca ttcataaata gtcaagatat actaaaaatt ggcatttgaa 840
attgaagcac tagagtgttt aatngatg 868

<210> 848

<211> 746

<212> DNA

<213> Homo sapiens

<400> 848

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gatcagggct cactgcacct tgacctctg ggctgaaact gcctcctgcc tnacttccgn 720
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<210> 849

<211> 837

<212> DNA

<213> Homo sapiens

<400> 849

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<210> 850

<211> 772

<212> DNA

<213> Homo sapiens

<400> 850

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<210> 851

<211> 714

<212> DNA

<213> Homo sapiens

<400> 851

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<210> 852

<211> 866

<212> DNA

<213> Homo sapiens

<400> 852

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aagacttttag agatgtatag tccagtgtgt taattaaagg atactaccta cttctaattc 300
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<210> 853

<211> 847

<212> DNA

<213> Homo sapiens

<400> 853

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<211> 698

<212> DNA

<213> Homo sapiens

<400> 854

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<211> 793

<212> DNA

<213> Homo sapiens

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<211> 834

<212> DNA

<213> Homo sapiens

<400> 857

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<210> 858

<211> 751

<212> DNA

<213> Homo sapiens

<400> 858

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<211> 832

<212> DNA

<213> Homo sapiens

<400> 859

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<211> 841

<212> DNA

<213> Homo sapiens

<400> 860

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<210> 861

<211> 858

<212> DNA

<213> Homo sapiens

● <400> 861

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<210> 862

<211> 863

<212> DNA

<213> Homo sapiens

<400> 862

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<211> 861

<212> DNA

<213> Homo sapiens

<400> 863

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<210> 864

<211> 877

<212> DNA

<213> Homo sapiens

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<211> 874

<212> DNA

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<211> 820

<212> DNA

<213> Homo sapiens

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<211> 871

<212> DNA

<213> Homo sapiens

<400> 867

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<210> 868

<211> 822

<212> DNA

<213> Homo sapiens

<400> 868

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<211> 818

<212> DNA

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<211> 738

<212> DNA

<213> Homo sapiens

<400> 870

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<212> DNA

<213> Homo sapiens

<400> 871

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<210> 872

<211> 863

<212> DNA

<213> Homo sapiens

<400> 872

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<210> 873

<211> 588

<212> DNA

<213> Homo sapiens

<400> 873

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<210> 874

<211> 888

<212> DNA

<213> Homo sapiens

<400> 874

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<211> 852

<212> DNA

<213> Homo sapiens

<400> 875

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<210> 876

<211> 800

<212> DNA

<213> Homo sapiens

<400> 876

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<210> 877

<211> 817

<212> DNA

<213> Homo sapiens

<400> 877

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<211> 859

<212> DNA

<213> Homo sapiens

<400> 878

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<210> 879

<211> 870

<212> DNA

<213> Homo sapiens

<400> 879

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<210> 880

<211> 704

<212> DNA

<213> Homo sapiens

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<210> 881

<211> 734

<212> DNA

<213> Homo sapiens

<400> 881

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<211> 817

<212> DNA

<213> Homo sapiens

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<210> 883

<211> 763

<212> DNA

<213> Homo sapiens

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<211> 771

<212> DNA

<213> Homo sapiens

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<211> 845

<212> DNA

<213> Homo sapiens

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<210> 886

<211> 827

<212> DNA

<213> Homo sapiens

<400> 886

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827

<210> 887

<211> 783

<212> DNA

<213> Homo sapiens

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 agc 783

<210> 888

<211> 740

<212> DNA

<213> Homo sapiens

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<211> 839

<212> DNA

<213> Homo sapiens

<400> 889

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<210> 890

<211> 769

<212> DNA

<213> Homo sapiens

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<210> 891

<211> 773

<212> DNA

<213> Homo sapiens

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<211> 749

<212> DNA

<213> Homo sapiens

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<210> 893

<211> 745

<212> DNA

<213> Homo sapiens

<400> 893

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<212> DNA

<213> Homo sapiens

<400> 894

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<211> 814

<212> DNA

<213> Homo sapiens

<400> 895

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<211> 818

<212> DNA

<213> Homo sapiens

<400> 896

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<211> 810

<212> DNA

<213> Homo sapiens

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<210> 898

<211> 816

<212> DNA

<213> Homo sapiens

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<211> 814

<212> DNA

<213> Homo sapiens

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<211> 819

<212> DNA

<213> Homo sapiens

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<210> 901

<211> 808

<212> DNA

<213> Homo sapiens

<400> 901

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<210> 902

<211> 812

<212> DNA

<213> Homo sapiens

<400> 902

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<210> 903

<211> 757

<212> DNA

<213> Homo sapiens

<400> 903

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caactaaaag aactagagaa ccaagagcaa gcaaacccca aagctagcag aagacaaatn 720
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<210> 904

<211> 729

<212> DNA

<213> Homo sapiens

<400> 904

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<210> 905

<211> 840

<212> DNA

<213> Homo sapiens

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 ggtgaaaccc cgtttctact aaaaatccaa aaaaaaaaaa aaaaaaaaaa aaaaattagc 180
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<210> 906

<211> 838

<212> DNA

<213> Homo sapiens.

<400> 906

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<210> 907

<211> 838

<212> DNA

<213> Homo sapiens

<400> 907

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<210> 908

<211> 786

<212> DNA

<213> Homo sapiens

<400> 908

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<210> 909

<211> 836

<212> DNA

<213> Homo sapiens

<400> 909

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<210> 910

<211> 832

<212> DNA

<213> Homo sapiens

<400> 910

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<210> 911

<211> 830

<212> DNA

<213> Homo sapiens

<400> 911

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<210> 912

<211> 475

<212> DNA

<213> Homo sapiens

<400> 912

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<210> 913

<211> 740

<212> DNA

<213> Homo sapiens

<400> 913

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<210> 914

<211> 742

<212> DNA

<213> Homo sapiens

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<210> 915

<211> 721

<212> DNA

<213> Homo sapiens

<400> 915

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<210> 916

<211> 728

<212> DNA

<213> Homo sapiens

<400> 916

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<210> 917

<211> 711

<212> DNA

<213> Homo sapiens

<400> 917

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<210> 918

<211> 741

<212> DNA

<213> Homo sapiens

<400> 918

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 gggtcctttc ctgtgacctc atttttaccc tttttgcctc ctggaangcc ttgtctgcaa 720
 aaaaaatttt ttanccccc c 741

<210> 919

<211> 744

<212> DNA

<213> Homo sapiens

<400> 919

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 gactaccggg tctcactcca gaagaggctt cttcagagca tggtagtctt ggggttctaa 660
 gagaatgaga gtagaagctg caaaacctct tgaaactggg gcttgggagt cacacatgac 720
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<210> 920

<211> 742

<212> DNA

<213> Homo sapiens

<400> 920

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<210> 921

<211> 745

<212> DNA

<213> Homo sapiens

<400> 921

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taaagtaaca gactgtgtgt tcatttattc ttttggtcac tcttggagtt tcttattcac 720
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<210> 922

<211> 739

<212> DNA

<213> Homo sapiens

<400> 922

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 ggagacagga tgatcaggtc acacttgta gatgactaac actatcagta gaagcttnc 720
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<210> 923

<211> 727

<212> DNA

<213> Homo sapiens

<400> 923

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<210> 924

<211> 743

<212> DNA

<213> Homo sapiens

<400> 924

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<210> 925

<211> 721

<212> DNA

<213> Homo sapiens

<400> 925

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<210> 926

<211> 813

<212> DNA

<213> Homo sapiens

<400> 926

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<210> 927

<211> 811

<212> DNA

<213> Homo sapiens

<400> 927

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<210> 928

<211> 813

<212> DNA

<213> Homo sapiens

<400> 928

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<210> 929

<211> 814

<212> DNA

<213> Homo sapiens

<400> 929

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<210> 930

<211> 816

<212> DNA

<213> Homo sapiens

<400> 930

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<210> 931

<211> 656

<212> DNA

<213> Homo sapiens

<400> 931

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<210> 932

<211> 810

<212> DNA

<213> Homo sapiens

<400> 932

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<210> 933

<211> 309

<212> DNA

<213> Homo sapiens

<400> 933

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<210> 934

<211> 806

<212> DNA

<213> Homo sapiens

<400> 934

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<210> 935

<211> 692

<212> DNA

<213> Homo sapiens

<400> 935

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<210> 936

<211> 814

<212> DNA

<213> Homo sapiens

<400> 936

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<210> 937

<211> 773

<212> DNA

<213> Homo sapiens

<400> 937

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caaataagtg cttatcaaga gtattccatt tcccgtcatt actcaaggct gcacanattt 720
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<210> 938

<211> 835

<212> DNA

<213> Homo sapiens

<400> 938

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<210> 939

<211> 740

<212> DNA

<213> Homo sapiens

<400> 939

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 tccaagtagc tgggactaca ggagcacacc accatgcccga gctaattntt ttaattnttt 660
 gcagagacgg ggtctccctt tgtgccagg ctggtctcaa actcctggng tcaagcaatc 720
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<210> 940

<211> 745

<212> DNA

<213> Homo sapiens

<400> 940

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<210> 941

<211> 803

<212> DNA

<213> Homo sapiens

<400> 941

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cgacttcaaa gcccttcagt actttcaccc caagtccttc acccgtgaca cctcccatat 240
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<210> 942

<211> 731

<212> DNA

<213> Homo sapiens

<400> 942

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 gaactagaac ttgaaccaa gttgtgactc tcctttacca cttgatcagg agtttgctga 540
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ctgtaatacn gagatacatt gaagtcatta gtacttttca gggcccca aa tgatcttta 720
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<210> 943

<211> 742

<212> DNA

<213> Homo sapiens

<400> 943

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ggggccttan gtaagggttt gctacttnag ccccttcgta gactaattct gggntggctt 720
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<210> 944

<211> 745

<212> DNA

<213> Homo sapiens

<400> 944

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tttgagagtt tacatcagaa agaaaacagc aaatgacatg atccaaactt gataaaggac 180
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<210> 945

<211> 508

<212> DNA

<213> Homo sapiens

<400> 945

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gaatcactct ggagaggtga cccctgccct tcttgccctt cctcactaa accccataa 480
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<210> 946

<211> 798

<212> DNA

<213> Homo sapiens

<400> 946

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<210> 947

<211> 829

<212> DNA

<213> Homo sapiens

<400> 947

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 ccctgcagga gacagcagtc tctgattcac agacctcatg ttatccttag atgcctcttg 780
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<210> 948

<211> 766

<212> DNA

<213> Homo sapiens

<400> 948

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<210> 949

<211> 838

<212> DNA

<213> Homo sapiens

<400> 949

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<210> 950

<211> 804

<212> DNA

<213> Homo sapiens

<400> 950

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<210> 951

<211> 850

<212> DNA

<213> Homo sapiens

<400> 951

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<210> 952

<211> 833

<212> DNA

<213> Homo sapiens

<400> 952

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 aaaatgtaaa tacattttta taaccaatgt ttgatctta ttgaatgtta ctttgaaaat 660
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ttcttccata ttttctcact aatctccgtt agccaaaata tgccagaaat gggaaagaga 780
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<210> 953

<211> 757

<212> DNA

<213> Homo sapiens

<400> 953

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ttggctgggt atggtggtgc aagcctataa tcctagctac tcaggaggct gaggtgtgag 660
gatcaagaag atcaaggctg cantgagcta tggcatgccc tgnactccag cctgggtgac 720
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<210> 954

<211> 818

<212> DNA

<213> Homo sapiens

<400> 954

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<210> 955

<211> 719

<212> DNA

<213> Homo sapiens

<400> 955

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<210> 956

<211> 777

<212> DNA

<213> Homo sapiens

<400> 956

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 ccagataac cacagtcctc ttggaatag cattttaaaa gttgcaacat ggttatgaca 180
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<210> 957

<211> 832

<212> DNA

<213> Homo sapiens

<400> 957

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gaaataaatt gtttgaaaac tctttgaaga gaaatggctt cagtatattg ttctatctct	180
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<210> 958

<211> 798

<212> DNA

<213> Homo sapiens

<400> 958

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<210> 959

<211> 812

<212> DNA

<213> Homo sapiens

<400> 959

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<210> 960

<211> 825

<212> DNA

<213> Homo sapiens

<400> 960

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<210> 961

<211> 765

<212> DNA

<213> Homo sapiens

<400> 961

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<210> 962

<211> 608

<212> DNA

<213> Homo sapiens

<400> 962

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608

<210> 963

<211> 714

<212> DNA

<213> Homo sapiens

<400> 963

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<210> 964

<211> 776

<212> DNA

<213> Homo sapiens

<400> 964

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<210> 965

<211> 736

<212> DNA

<213> Homo sapiens

<400> 965

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<210> 966

<211> 854

<212> DNA

<213> Homo sapiens

<400> 966

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<210> 967

<211> 461

<212> DNA

<213> Homo sapiens

<400> 967

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<210> 968

<211> 805

<212> DNA

<213> Homo sapiens

<400> 968

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<210> 969

<211> 543

<212> DNA

<213> Homo sapiens

<400> 969

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<210> 970

<211> 445

<212> DNA

<213> Homo sapiens

<400> 970

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<210> 971

<211> 841

<212> DNA

<213> Homo sapiens

<400> 971

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<210> 972

<211> 821

<212> DNA

<213> Homo sapiens

<400> 972

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<210> 973

<211> 868

<212> DNA

<213> Homo sapiens

<400> 973

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<210> 974

<211> 807

<212> DNA

<213> Homo sapiens

<400> 974

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<210> 975

<211> 834

<212> DNA

<213> Homo sapiens

<400> 975

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<210> 976

<211> 745

<212> DNA

<213> Homo sapiens

<400> 976

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<210> 977

<211> 814

<212> DNA

<213> Homo sapiens

<400> 977

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<210> 978

<211> 812

<212> DNA

<213> Homo sapiens

<400> 978

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<211> 811

<212> DNA

<213> Homo sapiens

<400> 979

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<210> 980

<211> 810

<212> DNA

<213> Homo sapiens

<400> 980

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<210> 981

<211> 746

<212> DNA

<213> Homo sapiens

<400> 981

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<210> 982

<211> 808

<212> DNA

<213> Homo sapiens

<400> 982

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<210> 983

<211> 812

<212> DNA

<213> Homo sapiens

<400> 983

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<210> 984

<211> 808

<212> DNA

<213> Homo sapiens

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<210> 985

<211> 808

<212> DNA

<213> Homo sapiens

<400> 985

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808

<210> 986

<211> 787

<212> DNA

<213> Homo sapiens

<400> 986

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agagctcanc agaatggcag ctgaccctgg gagatcactt gcctgttctg agaaaggcct	720
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<210> 987

<211> 840

<212> DNA

<213> Homo sapiens

<400> 987

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 gattanggtc atgtgaaagt acttttagagg aaatgagact tttgagaaca tcatccctga 720
 agacgttgaa aactgagtt acctcatgga taatttaata gggatgcag ctgatttttc 780
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<210> 988

<211> 412

<212> DNA

<213> Homo sapiens

<400> 988

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 ctagaaggaa gaaaattcaa tgcttagagc cttacctatt gaaacggatc tagggagcag 240
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 gttcaactca aaaagctagt aagagagcca ggtattaaaa ttttaaaaca acancagtaa 360
 aacgtatgga agtaaataat aaaagtaaag gcagaggtca atgaatatat at 412

<210> 989

<211> 840

<212> DNA

<213> Homo sapiens

<400> 989

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tncaagatgc cagctcattg tcaagaaaca ttttagaaaa agaaaggga cttcagcaac 780
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<210> 990

<211> 780

<212> DNA

<213> Homo sapiens

<400> 990

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agaggtcagg ttttaagagaa gtagcaacat acttctatta tttacatggt gatttttttt 180
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<210> 991

<211> 838

<212> DNA

<213> Homo sapiens

<400> 991

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 tccaagaata tgtagagcca ggagaagact tcccggcttc tcccagaga agaaatactg 240
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 gaatattaca tgaaaatttt caaacattaa aagcagaaga taattttgaa gacatcataa 660

ctaaaccacc tgttcgaaag tttgtcatga gaaggaaatt atggcagaag atgatcaggt 720
 ggttcttatg aagctacagt cccttttagc aaagcaacca ccaactgcag cttggaaggn 780
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<210> 992

<211> 714

<212> DNA

<213> Homo sapiens

<400> 992

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 tcatgaggtc agggtacctt ccactgtgct tcatgaggtc agggtacttn cactgtgctt 660
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<210> 993

<211> 793

<212> DNA

<213> Homo sapiens

<400> 993

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 ggctatctca gacagtttta cggaataat ttcttacaga gacagaaagg atnccaccc 720
 agttaaatgg ttcatcttct gngatttgcc ctgcaangga gctcatctgg tgttgaaaag 780
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<210> 994

<211> 839

<212> DNA

<213> Homo sapiens

<400> 994

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 canggtttgtg caagcctntt tggcttgggtg ggaattgcag cttataaaca cttccagac 839

<210> 995

<211> 760

<212> DNA

<213> Homo sapiens

<400> 995

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 ttcaaaagca gaactggcca gaggtgcttg tgattcctgg gtggaaacca tggcagtgga 660
 cagaagcagc atggaggaaa agagcactgg aattcangct gaggaactgt gaagcccaag 720
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<210> 996

<211> 842

<212> DNA

<213> Homo sapiens

<400> 996

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gctaattttc agatttcctt ttttaaaaaa ccataatgtt cctgcagtaa gttttaaaat 780
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<210> 997

<211> 747

<212> DNA

<213> Homo sapiens

<400> 997

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ggtgtttgtt ctccttaaag agaggaagaa ctgttttatg agttaatgtg agattatattt 240
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<210> 998

<211> 708

<212> DNA

<213> Homo sapiens

<400> 998

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<210> 999

<211> 823

<212> DNA

<213> Homo sapiens

<400> 999

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<210> 1000

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1000

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<210> 1001

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1001

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<210> 1002

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1002

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<210> 1003

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1003

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<210> 1004

<211> 550

<212> DNA

<213> Homo sapiens

<400> 1004

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gtaancactg 550

<210> 1005

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1005

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<210> 1006

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1006

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<210> 1007

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1007

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<210> 1008

<211> 792

<212> DNA

<213> Homo sapiens

<400> 1008

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792

<210> 1009

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1009

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<210> 1010

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1010

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<210> 1011

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1011

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<210> 1012

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1012

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<210> 1013

<211> 657

<212> DNA

<213> Homo sapiens

<400> 1013

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<210> 1014

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1014

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<210> 1015

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1015

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783

<210> 1016

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1016

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<210> 1017

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1017

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<210> 1018

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1018

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aaagcccaca	aggctgttat	ttctgcacgg	tccccatttt	ttcgaaattt	attacaaagg	480

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<210> 1019

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1019

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 ggcaagtatgc aatctttgta ttagtgtatt ttcagaaaca tcaattagat gttaacttg 600
 ntcccttttt taaatgcttc acagataatt nactagatta tttttaacaa acaattcaaa 660
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<210> 1020

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1020

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tcctgagtag ctaggactac aggcatTTac taccacgccc agctaatttt taaattttgt  180
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cctctgaaaa gaagtcatta gatcccagtt tcagaaatgc agatttaaaa caagtagttc  660
aaaaatctct ttcactttgt gttgatgaga actacaaan gaacttaagt aatacttttt  720
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<210> 1021

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1021

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tgatgaaagg catttaacc tagagcatgt acaaagctga gTcgcaagtc tcagaaatag  180
tgTcctaaag tgatgtattg gcctcagagg gaattcgTat gtacttatac acaaattcac  240
cataatgaat gcaccaaTc atacttttaa atgccc aaat aattcatatt cataaatttt  300
    
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tcattttgag cccctagata ttttttaatc aaaaccata ccactatcca ttcattctcc 360
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 cttctacttc tcatgtccat aggataagca aaagaaaaaa aatctgaaac acctgagttg 480
 gcactttaaa aatttttccc agaacaatga gatgggatgg tcagagggtca tgcagttggt 540
 gtcattggggg caccctgcct gttttcttct gtagctcata ccggtcacgc cttgttggtg 600
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 aatgttggct gtggaaaaag aacatttcca cattttgctt ggccattggt tctggaaatc 780
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<210> 1022

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1022

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 acaactataa atacatattc ttgggtgtca taatcaagaa agagggtgact tctgttgtaa 180
 aataatccag aacacttcaa aattattcct aaatcattaa gattttcagg tattcaccaa 240
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 tgtggtgttt gtttccatcc ccaaggcaaa caaggaaagg aaaggaaaga agaaaagggtg 480
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 gcatttggtt tttaagaaaa caaaacatta agacgcactc attttatatc aacacgcttg 600
 gaggaaggga actcaggga gggagcaggg agtgtgggtt ggggatggat tatgatgaaa 660
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<210> 1023

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1023

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tgacctggac cacaggggct tcagtaacag ctacctgcag aagttcgacc accctctggc 60
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gatcctccct cccacggagc ctcttctgaa agcatgcagg gataatctca gtcagtggga 600
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ggcagctgca tctgaagatt gagcactggt caccctgaca cgctgtccca cctacagatc 720
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gg 782

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<210> 1024

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1024

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<210> 1025

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1025

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 aagagtcaig tgttttaaaa aaacctatca aacgagtata taaaaaattt gatccagttg 180
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 cttcagactc ctctagttag ccgaaatctg gatggccttc tgcatttcag aagccaaaag 360
 gacgattgcc atatgaactt caggattatg ttgaagatac atcggaatac ctagctcctc 420
 aggaaggaaa ttttgtttat aagttattta gcctgcaaga cctgttgta ctcgtacgct 480
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 cagaagaatt aaaagaaaag ctttcagcac tcaagaattc caatttattt aacatccttc 780
 aacacattct aaagaaacta agtagcttgc agganggttc ctacttggta tctcatgcng 840
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<210> 1026

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1026

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 cacctcaaaa attattccac agtttggatg ttagtattag gtattatata agaatttccc 180
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 cagcatcctc ctctggaggc cagcatcttg caagactact tattccttga aatacactgt 360
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 accctttatg aggcacagga ggcgatacgc ttgcatctcg atctctcagc ctcggctcat 720
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<210> 1027

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1027

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aagtgactat ttccattccc tttcatgtat ttgccttgct tggaagactt tgattatgtg 180
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aataatatta ttataacgtt taggcgtaga actgtggcaa agccaacagc ttctctgaca 720
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ttgcaaacag caagggtaaa taaatcntgg gggtttggcc ttctggggtg ctctaggcat 840
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<210> 1028

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1028

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tctgaagttg attctatcgt caaagaaaaa atttcagtat aaagcatgta gtttatacca 180

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agaagccttt ttaaacttaa ggtctctttt ttcataacat gtacatataa attttaaaag 240
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<210> 1029

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1029

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<210> 1030

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1030

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tttcatngt attggggatg aaagtatgtg gaagggcaaa agaaggcttt cccaganggc 840
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<210> 1031

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1031

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<210> 1032

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1032

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<210> 1033

<211> 656

<212> DNA

<213> Homo sapiens

<400> 1033

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<210> 1034

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1034

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agcaaaaggc ttccagaatg tctgacatg cagattctgg atttaaggcc caaaangggg 660
ggaaaaaaa tttggggccc cccccccccc ccntttttt ncccccccg gggttttt 717

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<210> 1035

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1035

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gctttaatga tttatggcaa actcatacta gccttgatca gagaggtgac cctggcagtt 60
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gttcctatcc aagatggcca ctaaattgca cttcttctat tttcacctc tggagaatgg 180
taaaaagcat gatttgcaaa tattgtcaag tccaaagtgt gtttctaaac tactaagcta 240
gccaaatgca tctctatatg ttacaatgtt ctgcagatgt gaaaaaatcc ttcccgggtt 300

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tatgaaagtg agaatgatat gcatcttttag ctgcctctgg catccggcac gtcacacagt 360
gtggtcagtc cagtcaggct gcccagagcca cagattccca gcggcttcat ttgtcagaca 420
agctgacagg tgttggtcag gaaaatactg atcaagttgt ttttgttgtt gttgttttga 480
gacaggggtct cactctgtca cccaggctgg antgcanngg 520

<210> 1036

<211> 675

<212> DNA

<213> Homo sapiens

<400> 1036

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ttctccttta aagggactcg gaaagtggca gaggaggctt gcattgccct ctgtgtggag 180
cggactggcc cagaaatggg ttcttctcgg gtgacctgag gtcaagtcag tctataacaa 240
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aaccaaggca gagagtgggg atgaagccat gacacatggg tggcagagct gactcatacc 360
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agttcgtcgc ccagtgggaag ccacttaaag attgatttct gcctgaccat gaggcttggt 480
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ggtgcccttg acttcagctc tgctatctgc agtgggagcc caccagacac atcctgggtt 600
tgagactctg gggttgtgct ttgacagctg gctgccctgt cccttggtng gggggggggg 660
ggnccccctt tnccc 675

<210> 1037

<211> 660

<212> DNA

<213> Homo sapiens

<400> 1037

aaacacagag	agaaattggt	aagtgggaagt	gagagctcat	ccaaaaaaag	acagagaaaag	60
aaaaaagaaa	agaagaaatc	tggtaggtat	tcattcttctt	cttcatcaag	ctctgattct	120
tccagcagtt	cttctgattc	tgaagatgag	gataagaac	aaggaaaaca	gagaaagaaa	180
aagaagaacc	gttactgaat	cagacagtaa	ggatagttta	aaaaagaaaa	agaagtcaaa	240
agatgggaact	gagaaagaaa	aggatattaa	aggactcagc	aaaaagagaa	agatgtattc	300
tgaagataaa	cctttatcat	ctgagtcctt	gtcagaatca	gagtatattg	aggaggtgca	360
agcaaaaaaa	aaaaaaaaaa	aaaaaacccc	acaaagtcaa	aagacaagtt	tgaaaaatgt	420
ttacagctcc	acaaagatag	acaaatttcc	ttgatgtatg	aaaaatgtca	acaaaccaat	480
aaaaagacta	acaattcagt	agaaaaatgg	acaaagaaca	aatatggaga	ttcatagaaa	540
tgagagataa	atgtcatgat	gagaaggtga	ggtgctcact	tgatttataa	gagaaatgaa	600
aattaaaact	acaccagatg	ccatttttta	aaaacctatt	acattgngaa	aaaattttnn	660

<210> 1038

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1038

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ggctggagag	ggaaccatgg	ggactgtgca	cgcccgaggt	ttggagcctc	ttccatcaag	180
tggacctgat	tttgaggat	taggagaaga	agctgaattt	gttgaagttg	agcctgaagc	240
taaacaggaa	attcttgaaa	acaaagatgt	ggttgttcaa	catgttcatt	ttgatggact	300
tggaaggact	aaagatgata	tcattctttg	tgaaattgga	gatgttttca	aggccaaaaa	360
cctaattgag	gtaatgcgga	aattctcatga	agcccgtgaa	aaattgctcc	gtcttggaat	420
ttttagacaa	gtggatgttt	tgattgacac	atgtcaaggt	gatggcgcac	ttccaaatgg	480
gttagacggt	acctttgaag	taactgaatt	gaggagatta	acgggcagtt	ataacaccat	540
ggttgggaac	aatgaaggca	gtatgggtact	tgccctcaag	cttcctaate	ttcttgggtc	600

tgcagaaaag gtgacctttc agttttccta tggaacaaan nn

642

<210> 1039

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1039

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 ccctgaaggt ccaggagtac ccgacctca aggtgcccta cgagacgtg aacaaacgct 120
 ttgcgcccgc tcagaagaac attgaccggg agaccagcca cgtcaccatg gtggtggccg 180
 agctggagaa gacgttgagc ggctgccccg ccgtggactc cgtggtcagc ctgctggacg 240
 gcgtggtgga gaagctcagc gtcctcaaga ggaaggcggg ggaatccatc caggccgagg 300
 acgagagcgc caagctgtgc aagcgccgga tcgagcacct caaagagcat agcagcgacc 360
 agcccgcggc ggccagcgtg tggaagagga ggcgcatgga tcgcatgatg gtggagcacc 420
 tgctgcgttg cggctactac aacacggctg tcaagctggc gcgccagagc ggcatcgagg 480
 acctagttaa tattgagatg ttcttgacgg ccaaagaggt ggaggagtcc ctggagaggc 540
 gtgagacggc cacctgcctg gcctggtgcc atgacaacaa gtcccggctc cggaagatga 600
 agagctgcct ggagttcacc tcagaatcca ggagttcatt ggaaaaaccc ttttncnaaa 660
 tttttncccc cccggggggg g 681

<210> 1040

<211> 655

<212> DNA

<213> Homo sapiens

<400> 1040

cattccttaa tgggtttaca tattaattaa tctgttgatg tattcatgca tgcatttgca 60
 aatataattt gaagccctac cattttctag gaattctgcg agaacctagg gaatagatag 120

gactacattg attttgtcat catgggattc tggaaacatt caggaggagc atctcatctc 180
tagcctaggg tgtcagaaag aacttgagta atcaaggatt gggctctaaa ggacaagtga 240
acatgtgcag gtgagaacat tctaaaatga agggaattga acaaaagcaa agccatgtta 300
aacagcttgt acttcatctg taggtagatc agtaaccact caggggtttt aatcagggaa 360
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attaggagat catcagagta gtccagacaa gcaggaatga agataagcat ttggaatcta 480
gaaatgatta cattaaaaca ggcctagaca caaaccacca catTTTTTgc cagaaaggca 540
tagaaacaaa ttgtattagt gcttgccagg ttctgggagg agttggagat ggagaatgac 600
tgctaattggg tataagattt ctgtatagtc tgnctcatg ccttggncnt ttaaa 655

<210> 1041

<211> 665

<212> DNA

<213> Homo sapiens

<400> 1041

aaataaaaaat aaatcactat gccaatgtgg gagttatgat catctctgtt tttaaaaatt 60
atctatgcaa gcatggggca taacctttgt tatagctctt tcaactgcatt ttttggtctt 120
atttcccaaa taaaatagag aaacaatatt ttaaggaatg tattgtcccc ttagctttct 180
tattttgcct tttcaggaac tattttgcgtt tgcggtattg cttaactatg aaatgctaga 240
attcataacc cactatcttc atttcctcca ggctagtagc ttaataacat gaagaaaaat 300
tgattcttgt agtacctaaa atgacatttt ctgcctacat aacctgttaa tccagttttg 360
agttcccat acattttcat cgtcagtggc aagccagatt aatttatagt ataatcattc 420
aaaaagttta gtttacagat tttaaagttg cttttcatat caattttatt tatgctgnnt 480
ttatatTTaa attgctttct atgtgagTca tccatgtaat tttcatccaa actgaaatta 540
acctttgcgt aatttctgct ttcttgaaac tactttttct tttgatgatt aaatattgta 600
tgattactgg agttggtgat tgctaactac tganagtcag tgggnncccc ttttaaaaaa 660
aaaaa 665

<210> 1042

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1042

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cagagatcat gtgacttgca tgtggcctag agataaaatt caaatctggt tctgtagact 60
ccagggacat attcaccatg ccatgggtgg tggctattaa accttgataa atttgtgttt 120
atggttaaca aatgtgaaag ctattaaaca ttgctggttt gaatttttta cagtcagaa 180
atgtaaaatg aaaaaggata tttcctttca cagtgttacc gagaagtcac gataatttcg 240
tttgttcttc cagatttagg catatactta tttaatcaat aatgtgttaa cagctgacac 300
ctgtggttgc tgtgacaggc actatttgaa gtgctttatc atggattaac tcttaatcct 360
cagctaccgt ataaagtagg acataacccc attcacatg cactacactg agacttgcct 420
cctctccccc cacattgaag atgttctttt tttcataact atatactatt ccattgcatg 480
aatattctgt aatttattta atcccctatg gattgataat taggttcatt atagatagaa 540
gtgtaattaa cattcctgta catgtatttt gctacttgtg tgggtatttc tgtaggatga 600
ataactagaa atttattgga tcaggtttca catttgcagt ttttttttgg ggaaaaaaaa 660
aaaaaaaaacc ccttttinaaa ncccnttttt aaaaccccc cccaaaaaaaaa a 711

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<210> 1043

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1043

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attcaaaact gtggattcca ttccagcaga ttagctaaa atgggggggc aggagaaaac 60
tgtggaatag ggaaggtttt ttctaaggct tcattattgt gccagtctca agttgaaaag 120
aggctacatg attgtacatt caagtcttat gttttcctat atttgaaaaa taaaaacatt 180
tataaaatat atgcaatgtt tactgggtgc ttttctcgt attagtgttt taaagcaatt 240

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gaagaaaata aatatttcag tataaaaagg agcaaagtga tatgaataag tacttaagag 300
 aaaaaaattt tagtgacagc tttaatggtt gataattcgg tacccttcag ttcacccatt 360
 taaagtatac aattcattga tttttattat agtcacaaat gtgtacaact gtiaccaaaag 420
 tgaatttgat aatttttttt ttatcacctc ataaagaacc ctgtaccctt ggccaggcac 480
 atttgctcat gcctgtaate ccagcacttt gggaggccca ggtgggcgga tcacttgagg 540
 tcaggagttc gagaccagcc tggccaacat ggtgaacctt gtctctacta aaaataaaaa 600
 aatgagccga gtgtggtggt gggcgctgt aatcccagct tacccttttt tggggggggg 660
 gnaaaaaggg ggggnccnt ttttaaaaaa 690

<210> 1044

<211> 710

<212> DNA

<213> Homo sapiens

<400> 1044

at tt tt gccc g ttag tt gatg cag att cttc ata at gtcaa tgg cct ttac aatt tt ggtat 60
 gt tt tt tgcag tgg ct ggtac tgc tt tt tcc ttt tt gtatt tag tgc ttcc ttc aga agat 120
 ct tt gtaaggc agg act ggtg gtg acaaaaat ctt t cagcat tt gct tt tct gtga aggatt 180
 tt att tt ctc ttc act tatg aag ct tagtt tgg ct ggctc tgaa att ctg ggt tgaaaat 240
 tct tt tt cttt aaga at gttg tgcc aggcac cgt ggctcat gtgt gtaate ccag cacttt 300
 ggg aggctga gg ct ggcaga tcac ct gagg tcagg agttc aag accagcc tgacca acat 360
 ggg aaaaactc cat ct ctact aaaa atacaa aatt agccag ctgt ggtggc acat gcctgt 420
 aat cccaact act tgggagg ctg agg cagg aga at cgctt gaacc cagga ggtc aggttg 480
 cgg tgagccg agat ct tggc atc at actcc agc ct gggca aca agagtga aact ccatct 540
 cac acaaaaa aaaga atgtt gaat attggc ccg cactctc ttct ggcttg tagt gtttcc 600
 gcag agaaat ccact gttag tct gatgggc ttcc tt tgt gggggaaatt ttaaaaaaac 660
 ccccccccc cnggggaaaa accccccccc ctttttttt ttttncccc 710

<210> 1045

<211> 645

<212> DNA

<213> Homo sapiens

<400> 1045

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ccatgcacac aatttaagg ggaatcaaaa agctaagtaa tccagataaa tgttatttat 60
tgtaatgcaa taaaaatatt caaaataagg ctaaaatcta tgctgaagaa aataccacaa 120
ttttaaaaga agattaatag ggaacgtgga ggtatttttt ctcttgacat gagtggtgca 180
ttgtatgcac atttgitttt cactgggctg cgtatttaca tttagtgaat tttctatac 240
atatattcta ttcaaaaaa ttgcaaaagg aagtaaaaat ggacacaggc aggctcttaa 300
tttcttgatga tctttgctta agtcttatgt ttctgtcctg tactgaaaat ttcttctagt 360
ttcttttaaa ttctaacatt tgttttatag aacaacaatt atattgccaa ataaaatctc 420
cagtgatatt gatagtaggt ttagattggt catcagaaag ttggctctgt gtttctctat 480
atcttggcac ccaaatgttc aatttaactc caggtaccca cttgtcttat ggctctgggt 540
catacgcagg caattaacct tcattataat ggttggttca caatagaaca attatctagt 600
tgattgctct agtgtaaagt tagtcataaa tatgcatgg ttnnn 645
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<210> 1046

<211> 664

<212> DNA

<213> Homo sapiens

<400> 1046

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ggggggcccg ggcacaagca gttgaggga ggagactgtg cccctcctgg ctccaagtc 60
ttcaaggaga agattctccc aggaaatctg acctcagaag acacctcctt ggggcctctc 120
tgctgtcaca gccatgccac cttagagctt tgtaaagcct gcaaagggt ctttaaaaac 180
ttcaagccag gcgcagtggc tcacacctgt aatcccagca ctttgggagg ctgaggcagg 240
cggacacttg agcccagggg ttcacagctg cagtgaactg cggtcatgcc actgcactcc 300
agcctgggtg acagagtaag accctgtctc acagaaataa gtctaacttt aattgaaatg 360
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ctgtagcang ctgagcgcag tggctcttgc ctgtaatccc agcactttgg ggaggacaaa 420
 gtgggcggat cacctgaggt caggagtctg agaccagcct ggccaacatg gtgaaacccg 480
 tctctactaa aaatacaaaa attagccagg tgtggtggtg tgcacctata gccccagcta 540
 ttcaggagac tgaggcagga gaatcgcttg aacctgggag gcggagggtg cggtagagctg 600
 agatcatgcc actgcactcc agcctgggca acagagcgag actttccccg ggnnncccct 660
 tttt 664

<210> 1047

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1047

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 atttccctct tctcctgtgc tttcatctaa aagttctccc tggataatta tcattgcagt 180
 ggagtgcctg gattggacat cctcatctgg gtcaactaaa aaaagaaagc atgcaagacg 240
 acagcataga agcttctact tccatatctc agcttctaag agagagctat ttagctgaaa 300
 ccagacatcg gggaaacaat gagaggagtc gagcggagcc ctccctccaac ccttgccatt 360
 tcggcagtcc ttctggggcc gctgaaggag gcggaggcca agatgacctt ccagatcttt 420
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 agatgaaaca ctcacctaatt ttaagttttg agcctaactt ctgccaggat aaccctcgaa 600
 gtcccaccag ctctaaagaa agccccagcagg aggcaaaaag gccacagtat tggctctgaaa 660
 cccagtccaa aaaagtattt ttaaataagg ctgccgactt cattgaagag ctatcctcct 720
 tttcaaattcc acagcttcca aaggattaga cctcgtgcct gcaaaaaccn caagagtnaa 780
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 agactttgtc catcc 855

<210> 1048

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1048

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cactgagaat atggggtaaa tacttggaga caagagagag acaaatgtcc tagtttccaa 60
aaaggaataa agtatattgc aaaaacccaa gaccaattcc ctactttaaa ctgtggtaaa 120
atttgaagag attgtaaaaa aatgaaatat tgtgtttaga agagaatggg atgatcacca 180
tgaatcaata tgaatttata agaataagac atgccaaaat gacctcattt tttttttgct 240
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gcgttttagtt aaataatagt tactttatat actggttcct cacagagAAC tgggtggtgaa 480
cattaatttg catatattca gaaagtatgg atttgtagtt aacgagtttt ttttaaggatt 540
tgtatgttga aacttgagtt cctggattta ttcattgatt aggtttctgt tagggacttt 600
tttgcaacca agctgtattt gtaagatata taaatctgnt ttttaatttac atatgtaacc 660
ttgacttata aattacttag aagccaaggc gtaatattag catttagagc aaagtctggc 720
tatgttaana atgctaacgt tatgaagaat cttttctttg gtcagtaacc actatngtaa 780
gctccttgga tgttttcac ccttgaaagn cattctg 817
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<210> 1049

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1049

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cttgtgctgt gcatcatatg tcttgcagtt aacctatagg gattaagtgg tagtgtttag 120
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ggggtgtggc aggaggtgag tttacataa acctccaagc aggagtcaaa agtagacaag 180
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 aagaactatc agaactaact actttatttc acttatattt tccttttttg aatgctcaag 420
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 tggccagacg tgggtggctca gtctataatc ccagcacttt gggaggccga ngcgggcgga 600
 tcacgaggtc aggagatcga gaccatnctg gctaacaccg ggaaaccctg tctctactaa 660
 aaaatnc 667

<210> 1050

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1050

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 gggggcctta taccatttaa gaagaggaaa tatatagaaa aaagtggcct ggagagaaac 180
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 aaaagatact ggtagggctg cagagaaaag ggaatgctta tacactgttg gtgggaatat 360
 aaattagttc agccactatg aaaagcagtt tggagatttc tcaaaggact taaaacggaa 420
 tcgctgttca acccagtaat ctaattagtg ggtatatatg caaaagaaaa caaatcgttc 480
 taccaaatac acacatgcac tcacatgttt actgcaacac tattcacaac agcaaagaga 540
 tggaatctac ctaggtgccc atccatgggtg gattggataa gtaaaatgtg gtacatatat 600
 actatggaat attacacagn cacaaaaagg aatgaagtca tgtcctttgt agcaacatgc 660
 atggtgctgg angtcactat cctaagtga ttaacnca 698

<210> 1051

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1051

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gatggtcatt ataaataaat gcttactgct gtatttctact gcttgtctgt gcttctttgg 180
ctataggcta aaaacatgga atgctctctc ttgcctaagg acacaaaatt gtgcagtaaa 240
caagggttca aataaacctt tggctctgaac aatttgagca gatgcttatg tttggatttc 300
caaacacctg ccaattactt tgaagtcaaa tagacctcat aacttccagt agggttaaat 360
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tctacaaaga gtacaaaact tagttgggca tgggtggcatg caccacacgt accagctacc 480
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gtcacgctac tgcactccag cctggcatga cagagtggga ccacgtctca agcaaaacan 600
aacaaaacan aacaaactaa tgagttaata aatgaggtan agagaaacag attttgaaa 660
tgccgat 667

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<210> 1052

<211> 654

<212> DNA

<213> Homo sapiens

<400> 1052

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aagtgcggac gcccggtcc cggcgtggac gccatgggtc tgtgcccggg gattgggaag 60
ctgctgcaca agcgcgtggg gctggccagc gcctccccac gccgtcagga gatcctcagc 120
aacgcgggtc tcaggtttga ggtgggtccc tccaagttaa aagagaagct ggacaaagcc 180

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tccttcgcta ctccgtatgg gtacgcatg gagaccgcca agcagaaggc cctggaggtg 240
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 atcgtgacag tcggggggct gattctggag aagccggtgg acaagcagga cgcctacagg 360
 atgctgtccc ggttgagtgg gagagaacac agcgtgttca cagggtgtcg gatcgtccac 420
 tgctccagca aagaccatca gctggacacc agggctctcg aattctacgg ggaaacgaag 480
 gtgaagttct cggagctgtc cgaggagctg ctctgggaat acgtccacag cggggagccc 540
 atggacaaag ctggcggtta cgggatccag gccctgggcg gnatgctggt ggagtcgta 600
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<210> 1053

<211> 903

<212> DNA

<213> Homo sapiens

<400> 1053

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<210> 1054

<211> 686

<212> DNA

<213> Homo sapiens

<400> 1054

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gaaacattta agaaaaacan annaca 686

<210> 1055

<211> 680

<212> DNA

<213> Homo sapiens

<400> 1055

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 gcctggatgg nattattcct tttcttcagt tgctgctgaa atctaaaaaa acccggtttt 660
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<210> 1056

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1056

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 ccttagcctc cccagtagct gggactacag gcatgcgcca ccacactcgg ctaatttttg 180
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ccacaaaggn ctttagcctg ccattcacct tctttccatc tctttttctca acctgcttcg 720
cagnacctgn ttggcttggg tcccattgaa aatcaagcag gtagtcacat agatttcatt 780
aattaacccc aaaataagna tgact 805

<210> 1057

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1057

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ttcgggtgagg tcaccttga ngggagtccc aggaatcagc ctgatgttca gaatgccttt 660
ctggcatctc agaatgtact gggggagact gaggaccttt agcccagtgt cancgtctta 720
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<210> 1058

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1058

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aagttcttgg	gttcagtgc	agacttgaaa	cctgacatgg	tttcattaga	ttgtagaaaa	180
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tcactgagca	aggtaagtac	cagcacttac	agagacggag	tcataaaggc	tgctctctaa	660
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gtcattttga	aactggaata	aatatgtaat	ccgaaggttg	atttttctga	ccaaaagtaa	780
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<210> 1059

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1059

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aagtgcaagc	tgaaccgagg	gtactgtggt	gggagcagag	agggctggat	aagaaagaca	180
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ggtggatcac	aaggtcagga	gttcaagacc	agcctggcca	agatggtgaa	acccacctt	300
tttcaaata	tgtatctcag	gggagaaaaa	agagactcca	tgttttcaaa	gtttttgctt	360
tttattattt	atttatttat	ttttgctttt	taaaagcctc	tcaacaaact	ctccttattc	420

ccatgtgact gaggatgaaa cagtctcaga ttaaacagac ttctcaaggt cacgcattgt 480
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 acaaaccaaa caaaacaacg cacttcagac tcttttgaa acctttgaaa ggaacttgat 660
 ttctgtgtgc ttgaaaagta tatattgcaa tcaaggtatt ggtgggtaag tgtgtttttg 720
 angnttgta caaattaacc aaaattatat gnct 754

<210> 1060

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1060

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 gatcacgaac aggtaactcc agaagatccc ggagctcagt tcttgattcg tactgggtct 360
 gttggccgaa atagggtgta agcctctttg gagcgagctc agaatctcaa ccccatgggtg 420
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 cacaaaaata gcatcaagtt ctttacagga gatgtttttg gctaccatgg atacacattt 600
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 ggagtagaag atgggcccga caccnagaga gccaaacttg attcttctga gacaacgatg 720
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<210> 1061

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1061

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aaaaataatt caggggaacc tttatctgaa anggatataa ccatgtcctg gatggaatac 780
tgcgaa 786

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<210> 1062

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1062

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gagaatgtac caaaatccac gacttggccc tccgagcaga ttatgagatt gcaagtaaag 300
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<210> 1063

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1063

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 gacattgata cagggtcaaaa tgcgtagatg ctttttggtg ttggaaataa gtgtctgtct 180
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 cccaaatgca tcaacttctt tttagttatg gctgattttg ggtgtgtgtg tgtaagacat 660
 gcagtcaaca acgagatgaa ggccattgca tagatctcat gcngatagt atggattcag 720
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781

<210> 1064

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1064

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<210> 1065

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1065

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<210> 1066

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1066

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<210> 1067

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1067

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<210> 1068

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1068

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<210> 1069

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1069

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ccttttgtct ctaacttggt tctattttta cagccacaca attcttggca tgtattaaga 480
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 gaaatacatt tgtaaatttt atgcaacaaa tggcaaacgt atcattattt tgaaattgng 660
 tatgtaaaag ttatattttt acatgtagac tcttgggtatt atgnggttta atacattgga 720
 tcagttttgg ttttttttaa aaactgnngg ttaaaaagaa gtctcattta aatgaaatac 780
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<210> 1070

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1070

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 tagaggggag agtggacctt gaagaactga ttggatttct cctgttgggg aatgtgaatc 480
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 cagagtgcct gcaggaggagg ccatgggaga tcaagctggg aatgtagaaa ggaattttta 600
 cttgataaat ttgactagg taacaggttc ttttatcaag gagtgacatt ttatgtcaca 660
 aaaattttta aaccatttc tgnctcttgg aaaacccaaa gggagcagtg gcatgtgaaa 720
 aattcttggt ttaaaagatt cnaaccatn 749

<210> 1071

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1071

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gtttttgccg ctgaaagtaa tggcaagacc gcaattactt ttgcaccaac ataaatattt   60
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taaggtgggtg agtgctgtat tagttcagca gaggttacct atgtactttt gggggacaga  180
tatcatatag ggaattcatg tcagtgacca aacgaagtga ccattacagc ccttttgaaa  240
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tgtcatttag caaattatta acatctcttt ggtaacatgt gacctcaaag aagtcaccta  720
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<210> 1072

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1072

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ctttttgatt tgaggatgtg ccgtgaacgg aagccaaata ctaatagaca ggacatcctg   60
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tttttgataa gatgattact tggttttttt cctgttaaca agggagccta gatgatgatg  180
tccatttggc ttttaggact cttaactagc aaacaactaa gccctgcaa aatcacatga  240
    
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agacattgga aaatcttttt atgtaaggca gagatgattt ggtcatagtt cgcaatgaag 300
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 cgaagttctt gaaattaagg atgttaaaat aaaattctga aatctagtat actgtggtat 420
 acctatacgg ttaagtatta tacaatatatt acatgtgaag aaaatatgaa aaaagttcac 480
 aaatgtacca atgttaacag angcaagatg attattacaa acgtttatat ggattatatt 540
 agttttccag ggctcccata acaaattacc acaaaccggg cggtttcaaa ttgatcctct 600
 cacagttgtg atgccggang ctagaagtct aaaaccaagg tgtagtaag gccatgctcc 660
 cttaacacgc tntggggaga cccttccttg gctntt 696

<210> 1073

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1073

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 tttccgtata tggagaaaag tgattccacc cactccatgc cctggcacgt catgatgcca 180
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<210> 1074

<211> 709

<212> DNA

<213> Homo sapiens

<400> 1074

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aatgcgaagg gagtgatgtc cagagtgatt ttgcaacag tgacccttgc ccaacccatg   60
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tgcggcggtg ccgcacatgt gataaccctc ctccctccaa tgggggaaga gcttgtgggg  180
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caaaggaaat aggagaacag tcaatggctt taccctncca atgcagtcct caaaagagaa  660
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<210> 1075

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1075

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caccctcaga caaaaggcaa acctattcaa gtttttgatt ttgaaaatg tttcaatcag  180
ggaagctctg ggtacatttc atgaagagaa gtgatgaaga tatccctctg acataacaga  240
    
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aagtggctgt ttagctagga aaatcatcaa ataagtaagt agaaatgcat gcagaaacag 300
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<210> 1076

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1076

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cagtaggata tccaagtgga aatgcccgat aagccttaga cataaggatc tggatctcaa 360
gagaaaaatt gaggttgaac cataatatgt ctttcccctc gaatcatgta ggtttctctt 420
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aacttaatga gtacttcaac ttgagtcaaa ttagtatttg tccaaatatc ctaatagtat 660
cctctatgtg tgactctagg tcttacaaaa tcaaggtgtc ctttctcatt gagacttncn 720

tattaataaaa atatttcttc tattaattc aacctggcac caagcattat aggtaattag 780
gcccccccn atgactgg 798

<210> 1077

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1077

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ttggagaaga gtcattcttg gtgatgagac aatcagtatn aaccagangg tctcatttan 720
gggcaatttt gctccccctc ccaaggacat tggacaatgt ctgggtctgg agacat 776

<210> 1078

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1078

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 gtggggcgcg catcaagatt tctaacaagc gcagctgaaa acaccaggg ccgttctctg 480
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 atggtgggta cttgaccttc atttgctgtg ggactgtcag ggattccagg gaccactgg 660
 tccccgaact ggctcanaga tgcaagccac ttttacctnc tacacatcta taatccccac 720
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<210> 1079

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1079

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 ctcatggaat cccaagata atcctaggaa ttatgtccta ttcctatcat cccatttac 180
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 tagcccgggtg gaggaaagca ctgattccct attcgccctt ttctggcatt atcagcacca 720
 gtgggctttt caaaagatga gttgatataa gcatcctgtc agaaanggtt ccggcctaatt 780
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<210> 1080

<211> 716

<212> DNA

<213> Homo sapiens

<400> 1080

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 agaaggaagt caggagagtc agtgtcagag tgatgccgtg ggacacagtc tttanggctg 660
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<210> 1081

<211> 734

<212> DNA

<213> Homo sapiens

<400> 1081

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<210> 1082

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1082

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<210> 1083

<211> 693

<212> DNA

<213> Homo sapiens

<400> 1083

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 ttcgcctttt ctgggtttta tttaaaacn ncc 693

<210> 1084

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1084

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attgctctgt gcnatagggg cccagtgggtg gtggatctaa cactttttaa gaaaatctga 720
caattcanac tttactgggtg aatatt 746
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<210> 1085

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1085

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<210> 1086

<211> 701

<212> DNA

<213> Homo sapiens

<400> 1086

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<210> 1087

<211> 596

<212> DNA

<213> Homo sapiens

<400> 1087

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gcaataaggt aacanggtgt gcccacctct cagggctgct atgaggacaa ctgaggccac   60
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tactcattgc ggccgggggc ctccccccagc aaacgggtgg aaagaggcct gagccccatc  180
cccagtttct gcccctgcta tctccacca ggatccacca gaagatatga agcaggaccg   240
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tcaacgtgcc caggacgacc ttatccctgc tgtggaccgg cagtttgcct gctcctcctg   360
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cgcgccgcct ccccggtccg aggtctgcgc gctccgccgc aggggtgcaga cccggggcgc   480
ccgcctgggt ttggggcgca agagcagagg cggagccagg gcggagccag cgcgccgggt   540
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<210> 1088

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1088

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gaggaaatct atcttcctta gaacagattt atggtttaga aaattcaaaa gaatatctgt  180
ctgaaaatga accatgggtg gataaatata aaccagaaac tcagcatgaa cttgctgtgc  240
ataaaaagaa aattgaagaa gtcgaaacct ggttaaaagc tcaagtttta gaaaggcaac  300
caaaacaggg tggatctatt ttattaataa caggtcctcc tggatgtgga aagacaacga  360

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ccttaaaaat actatcaaag gagcatggta ttcaagtaca agagtggatt aatccagttt 420
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 tgtttcccta tcagtctcag atagcagttt tcaaagagtt tctactaaga gcgacaaagt 540
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 aagatttacc taaccagttt tatcgaggatt ctcatattt acatgaagtt ctaaggaagt 660
 atgtgaggat tggncgatgt cctcttatat ttataatctc ggacagttct cantggagat 720
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<210> 1089

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1089

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 gggacattaa ggagggaat aaaaagccaa gagaataaaa ataatatta gaaaaggtta 180
 aaaagtatct caaaggaact gttagatata gaagataatg aacaaaaatc caatatgtat 240
 atgtacacga tatgtatatg tatgtataac tgaaaacca aaagaagata aacaaaacaa 300
 tggaacagaa ttaacactta aataagaaaa ctttcaaaa attaaagcag acctttacct 360
 ttgtatttat aggacctact ttgtattcag attggatcac tctaagacat attttagtaa 420
 aactattgta ttctaagaaa atttcttcta aacttctggc aaaaaaaaaag ccaagtcctt 480
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 cgttttcagc atgcagaact cagggaatat tataacccca agccattct gaggaattaa 600
 ttagagaaag ctcttcatca aagcaagaga tgatcaattt aagacaaaaa caaagcaagg 660
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<210> 1090

<211> 671

<212> DNA

<213> Homo sapiens

<400> 1090

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catgtgtcac atggcaagag agagggaaca agagatggag aagtaggagt gccacacttt 60
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ccaatccatt catgagggat ctgcctccat gacccaaaca cctcctacca ggccccatct 180
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agtatggata gttttagctt tctccaacac ccagtcacc agaggagctt agagattctg 600
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tttccttttg g 671

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<210> 1091

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1091

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aagcttgggc tctgcttctt attgagttct tttttaaaat tttgctgggg gtccggggaa 180
agaaggaaaa aaagcaacaa caataacgag aaacaagtca cccaggcatc ttgtggaggg 240
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<210> 1092

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1092

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 gatcacgagg tcaggagatg gagaccatcc tggctaatat ggtgaaaccc catctctact 180
 aaaaatacaa aaaattacct ggcgtgggtg cgggcgcctg tagtcccagc tactcaggag 240
 gctgaggcag gagaattgtt gaacccggga ggcgagggtt gcagtgagcc gagatcgtgc 300
 cactgcactc cagcctgggtg acagagcgag actacgtctc aaacaacaac aaaaacaaca 360
 acaaaataca aaaaaattag ccggacgtgg tggcggtatgc ctgtaatccc agctactcag 420
 gaggctgaga caggaaaatc acttgagtct gggaggcgga ggttgaagtg agccaagatc 480
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 a 721

<210> 1093

<211> 753

<212> DNA

<213> Homo sapiens

<400> 1093

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atgtctactt ttctctctc cctgtccctt ccccatctt cttctctctc tttcttttct   180
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aatacatgag gcccccaaa taagagagtg aaacattgtc tgggatgtat tttctgctcg   300
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gactttgaga accaaagggt ctctctgtaa ggaaatgtgt taacctgatt tccttggtct   420
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attttttttc agattcctta ntaggataaa tagggagaat gttttggaac acagatcaag   720
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<210> 1094

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1094

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catggcaaaa ccccatctcc actaaaaata caaaaattag ccaagcttga tgggtggtcta   180

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tagtcccatc ctctttggag gctgcagtgg gaggattgct tgagcccagg aggtgaaggc 240
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 ccctggataa aggacctttt tcctgagcat gtggctctgt ctcagaagca gcccctctcc 600
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 agaggnccta aataatttaa gnggcttaaa agcc 694

<210> 1095

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1095

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 gttttctata ccttgggatt acatgttata caaacagct gactgacaat gcagaatgag 180
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 cccaagactt tactagtgcc gataaacttt ctcaaagagc aaccagtatc acttcctgt 600
 ttataaaacc tctaaccatc tctttgntct ttgaacatgc tgaaaaccac ctggtctgca 660
 tgtatgcccg aatttgtaat tcttttctct caaatgaaaa ttttaatttta gggattcatt 720
 tctatatatt cacatatgta gtattattat ttccttatat gtgtaagggt aatttatggn 780

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<210> 1096

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1096

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acaacacata atctcagtgt ttctatgtgt agaacaaact tcttaatttc tatataagca 180
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gacacattgg tatagtcctt gccacctctg aataaactgc catttctacg taattgggtg 720
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aagtgtggct g 791

<210> 1097

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1097

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 aatttgattt tccttttctt ggaaaccact acttttaaaa gggctcggcc tttccctttg 180
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<210> 1098

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1098

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cctagtggag aaccctggaa ggcaacagac acttgagcaa gcacnaggaa ggaaaatgtc 780
ctggaaaggc agggactntt acccaagncc ctacattccc agact 825

<210> 1099

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1099

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<210> 1100

<211> 551

<212> DNA

<213> Homo sapiens

<400> 1100

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accacacca g 551

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<210> 1101

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1101

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ccagccagag aggggtggatt ttggacccat gttcgagtgt atcagccacc cagattggtt 540
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 aaggcagaat ttaaaagctg tgtacaaatt taacattttt acccatggca agacatctag 780
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<210> 1102

<211> 771

<212> DNA

<213> Homo sapiens

<400> 1102

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 gccagctggt ggagtcccag gtgtgtgctc ccacgctctt actggcacct tcactcttaa 720
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<210> 1103

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1103

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<210> 1104

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1104

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gtattctaaa tggatatgtt tgtcatacca actgatattc caagccaatt gggTgatgcc 240
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agtgcttaag aaacgtacag aanaanaata agn

333

<210> 1105

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1105

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tgctgagcaa tcattttatg attaggagtc cctaaaaggt ccatagagcc aactataagt 660
catttggttg aaactggagt aacaggtttc cataggagct gattgtagcc aaaccatttg 720
atgatatttg gntgnagatn gagaa 745

<210> 1106

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1106

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<210> 1107

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1107

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 gttgtagcca gaggttcaca ggaacctaat cctgtatttc ccctaggagc aatagttcag 480
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<210> 1108

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1108

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 gctgtgaaga tctctcacat gcccttgaga cattttctgg ggagaaattc aagctagctg 180
 cagaaattag cataagtaat gaggagctga atgttaatcc ccaaaacaat ggggaaaatg 240
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 ggaggaaaag atgatttcac gggccaggcc ctgggctctc ctgctctgtg cagactgcag 360
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<210> 1109

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1109

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 gttctacggg cgcttctgca ccggcaccct ggaccacatc agcatcaggc agctccagct 540
 gcttctgctg aaggtagcat tgctgctggg ggtggaaatt cactggggtg tcactttcac 600
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 tggccan 667

<210> 1110

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1110

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 tattctgcaa accaaacact ttagtaaaac tctctacttc tagaaatggg ttaacattat 720
 tggnggggtt tcacaatccc cttaaacttt ganagccctc ttgggaagtg aaaatnct 778

<210> 1111

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1111

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ttaaatgaca tctctttttt ccaccagatg ttgctgtagc attacattta tctgctgtgt 360
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ttancctttt cttactgntt caaatttggg aaaagtgttc tatgagatat tattttatta 720
atttttttgg aaccn 735

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<210> 1112

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1112

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 naatcccagc actttgggag gctgangtgg gcagatcaca aagtcaggag tttgagacca 660
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<210> 1113

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1113

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 ttatataatg gccagccag gtttcatcct tgatatactg gcaactgtag tttatatata 180
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 gaggttggct ctattttctc cttttggcat atgggatggc agtagccctg tgcctttttg 540
 gtactgcaga agagatggat tccacttggc ccatcccacc cccatctctg gtcacctggg 600
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agaatgtant gacactgca

679

<210> 1114

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1114

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 ggattacagt catgtgccac cagccccagc taattttgta tttttagtag agtcgggggt 660
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 ttccaaagtg caaaa 735

<210> 1115

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1115

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<210> 1116

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1116

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<210> 1117

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1117

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<210> 1118

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1118

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aataatatga tagatttaaa aaaacttcaa tcactacaac atctcaaaaat ttttttggtg  780
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<210> 1119

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1119

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<210> 1120

<211> 881

<212> DNA

<213> Homo sapiens

<400> 1120

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<210> 1121

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1121

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<210> 1122

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1122

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cangttgact	aaaacattgg	gcgttattaa	gtcgaaaaga	caaaactacc	tttgaaaaat	780
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<210> 1123

<211> 652

<212> DNA

<213> Homo sapiens

<400> 1123

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 tctgnagtcc cagctactca ggaggctgag gcaggagaat cgcttgaacc ggggaggcag 600
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<210> 1124

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1124

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 gtagttgagt caactgggta atgaacatta catatttttc tatactattc tctgttgtgt 180
 atatttgaaa atctccataa taaaaaccct tttaaaaagt caatccagaa agtggaaagc 240
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 ggtgcactgt acctgcagga ggtagaaagc cgtgcactgt acctgcagga ggtagaaagc 660
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<210> 1125

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1125

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<210> 1126

<211> 829

<212> DNA

<213> Homo sapiens

<400> 1126

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caactttttg tatttttagt agagacgggg ttctactgtg ttggccagga tggcttccat 240
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cttccaccat tcttagacac agtgatagtt taataatcga ttaggatgta actgtaattt 420
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 caaatatgtt taaaatttaa gtttttncaa aaaatcaaag cactgnacac taaaaatnga 780
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<210> 1127

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1127

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861

<210> 1128

<211> 815

<212> DNA

<213> Homo sapiens

<400> 1128

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 tccccttaga aagactggtt aaggctcatca gctacctgtt ttgcatgttt tgtttcagga 180
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<210> 1129

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1129

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 aatcacttca aaaccatacc attattttgg aaattaacca anctacttct ggatgacttt 840
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<210> 1130

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1130

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<210> 1131

<211> 644

<212> DNA

<213> Homo sapiens

<400> 1131

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 agtgggtgat aagatgaggg ccttcaaaaa ataggtgtat ttgagagctt ttttggaggt 180
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 ccctgtcttt actaaaaata caaaagtcaa ttgggtgtgg tggcacatgc ctgtaatccc 600
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<210> 1132

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1132

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tctgcgcagc cgcaggcacg gggcactgga cagagagtag gatcccagc cacctctgga 180
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<210> 1133

<211> 868

<212> DNA

<213> Homo sapiens

<400> 1133

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gagtttttgt ggacatacac tctttatttg aaaagtatga aatataatcc aagaaagcca 480

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<210> 1134

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1134

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<210> 1135

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1135

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<210> 1136

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1136

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<210> 1137

<211> 886

<212> DNA

<213> Homo sapiens

<400> 1137

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<210> 1138

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1138

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 tcctgtttct ttcctgtccc atacagggag taagcaaaat ctataagaac ctctgatttc 540
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 tttaatatta tatttatcat atccttttcc acactgagaa tcatgggtct caaangcact 720
 angcaatgat agaattaaat atacncaaat tctcatttgc tttatcatcc aaatcccccc 780
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 acaactggtt ttaaaacnga gacca 865

<210> 1139

<211> 493

<212> DNA

<213> Homo sapiens

<400> 1139

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ttttgacagt gaatgttgag aaagcatatg catgtgacag ggcggtattg ttagaagcag  180
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gctgggcatg gtggtgcatg cctataatcc cagctacttg agaggctgag gcaggagaat  420
cgcttgaacc cgggaggctg aagtgtcagt gagccaagat cgtgccacta cactccagcc  480
tgggggcana nna                                     493

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<210> 1140

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1140

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gacgtgattc cctgggacgg tccgtttcct gccgtcagct gccggccgag ttgggtctcc  180
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cactcttctt cgcccttgan tgccgctacc tgctgttcag ctgtctcctg ccatccctgt 600
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 cctggagtaa ttcctcgggc gctaccagat gaacancctt catanaaatg gagatagaag 720
 ctccaatggg gc 732

<210> 1141

<211> 863

<212> DNA

<213> Homo sapiens

<400> 1141

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 ccagcatttt taatcttttag actaataaca ccaggtagac acaaagctat tcctggaaca 180
 ttgcttttatt atagatagga attccataac caattacctc ctatttgcta gaacacacta 240
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 atgttatatc tgagttatac taataactat gaaattacca ggtgtctctg cttgagtagt 420
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<210> 1142

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1142

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caattgtctg tagtccaacc gctgttaaca cccagagaaa actctggcag ttggtctgca 720
aaaatgagga agagttaatc aaagttaata ngagcanttt ncagaatctt tctttactat 780
taaagacc 788

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<210> 1143

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1143

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gacaggaatg aagtctgtca cgggcacacc atactggatg agccctgaag tcatcagtgg 180
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aactgaaaag ccgccttggg ctgaatttga agcaatggct gccatcttta aaatcgccac 300
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 acggattttt gtagaggcca aactgagacc ttcagctgat gaactcttaa ggcacatggt 420
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 cattcacctt ctctctgact gcacttttct tttttataaa aaaagagaga tgggggagaa 540
 aaaagacaag agggaaagta tttctcttga ttcttggtta aatttggtta ataataataa 600
 tatectaaat tttttatatt taatcttttt ttcctttaca agaacttgaa gttttttttt 660
 taatttttat aatgtactga tgtggttcag agagataaag cacttttagta catagtcact 720
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<210> 1144

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1144

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 gggaggcaag ggtgacctt tccatggatg cttcgtgcg catcctgcaa cctgaacgct 600
 atgacctgtg gaaacgtggg caagaccggg cagttgtgga ccacatggag cccagggtac 660
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gcctgagaca actnccttcc actgggcccg gnattccctt gg

762

<210> 1145

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1145

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agttctgctg gacaccacca cttttatcat tccatcatta aagagtatgt aaatcttgta 660
agagggtcaa gttcaaagca gggatatcag cgattgcctn ttaaccttat aaggagntta 720
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<210> 1146

<211> 878

<212> DNA

<213> Homo sapiens

<400> 1146

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 tttaaatgga cggttatctt aagacatcca gttaaaatag gaaaaaatta acatctagaa 780
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<210> 1147

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1147

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 aaccgatcgg agctccagca gccgggaaca gctggcattt cagtagaacc atggaggagc 180
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cgatcatcaa cttaaataat aatgttcgag ggaaaagacc tctatggcat gagtctgatt 540
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 tagagatcag gacatggaca gtgatagagc ctaccagtat caagaattta ccaagaacca 720
 agtcnaaaaa agaaagttga aaataatcag accagggacc aaaaatncca gatgaaggag 780
 tagttttaga aagtaggaa accaaccga nccatta 817

<210> 1148

<211> 651

<212> DNA

<213> Homo sapiens

<400> 1148

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 gcaacttttag cagatgttgg gatagaagtt aacacagtag ttcaaattga tttcgcactt 240
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 ttctaataatt tttaacaaat cccttttagat cgttgggaat taaacaaata cctanggcac 600
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<210> 1149

<211> 699

<212> DNA

<213> Homo sapiens

<400> 1149

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tagtaatcac	tgtactataa	ggcaatttgg	cagaaatggg	aaaggttgag	ttagccagat	180
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<210> 1150

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1150

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<210> 1151

<211> 712

<212> DNA

<213> Homo sapiens

<400> 1151

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<210> 1152

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1152

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<210> 1153

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1153

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agaataaaag agcctccaga acatgtggtg cctgtggtcc tgagacagca ggaaatggct 360
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<210> 1154

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1154

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<210> 1155

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1155

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<210> 1156

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1156

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<210> 1157

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1157

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<210> 1158

<211> 858

<212> DNA

<213> Homo sapiens

<400> 1158

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<210> 1159

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1159

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 aagaccaggc atgtaagaaa taccctaaag tagccaagt ataattctcat gaaaaaatat 420
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<210> 1160

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1160

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acttgcttaa	agataagtga	aatatcta	cacaaggga	gtctgttttc	aaactatata	180
aacaataaca	ggagtcataa	cagttgtttt	cttagaactg	aataccta	aattctgcag	240
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<210> 1161

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1161

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<210> 1162

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1162

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<210> 1163

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1163

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aaaagttnng ggang 855
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<210> 1164

<211> 876

<212> DNA

<213> Homo sapiens

<400> 1164

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<210> 1165

<211> 743

<212> DNA

<213> Homo sapiens

<400> 1165

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 gactcactgc agccttgaat actgggctca agccatccta tccccctcna cctcagcctt 660
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<210> 1166

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1166

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<210> 1167

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1167

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<210> 1168

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1168

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<210> 1169

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1169

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ctgcaatctc cacctcccag gttcaagcna ttctcctgcg tcagcctccg agtagctggg 660
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<210> 1170

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1170

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agctctttga caatgtcatc taacccccc an gaaaaggggt caatgtttcc tggggggacc 720
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<210> 1171

<211> 897

<212> DNA

<213> Homo sapiens

<400> 1171

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 cctgtctgac ccatcatatc cgttccacca atgcctaag catttgggac aagttgatag 840
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<210> 1172

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1172

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 aaaaaaaaa annnaaaaaa aaaaggcaag cgaaactaaa ccatagtttt agaagactgt 600
 atagtaaata aattgggagt agttttgggg aaggaacctg agcttggctt ttgggatgat 660
 gataatgncc tatgcatgat ggtgatgtat tatatggagc tatgtgttaa tgatgnatac 720
 attatgng 728

<210> 1173

<211> 757

<212> DNA

<213> Homo sapiens

<400> 1173

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<210> 1174

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1174

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<210> 1175

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1175

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tcactacttg cctcaagagg agcttgcct atgctaataa agattctata acattggcca 180
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tcctcagtgt cactgtgaag agctcagtca ggaaaagcca gcagcatcta ccctgccacc 300
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 ctctgtgacg tgctatctta agaccgtgaa tggaagacaa gccctatgta aacacaaatc 660
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<210> 1176

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1176

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 catgctggaa ctgtgtatgg aggagtgatg tatatttcag gaggaattac tcatgatact 180
 ttccaaaagg agctcatgtg ctttgaccct gatactgaca aatggatcca gaaggcgcca 240
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 ggtggcaatc acttcagagg aacaagtgat tatgatgatg tcctaagctg tgaatactat 360
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 ggggtcgctg tcttcgaaaa taaaatctat gtggttgggg ggtattcttg gaataatcgt 480
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 actaagatgc ttagtttcta tctttgcaat gngtcataaa ttctcttctt tttcccttaa 720
 gtagtatata tgntaggatt accctntgg 749

<210> 1177

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1177

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ctgaaatggt ataagacgtt attaaatatc tgaaacgaaa tctcagtatg aaaagcanat 600
atgttaggtg gatgcctcan ttgaattcag tcttcttatt gggttaagant aagctttggt 660
cacagaacta ctttaccacc tttactgagt cccatggntc actgca 706

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<210> 1178

<211> 611

<212> DNA

<213> Homo sapiens

<400> 1178

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tgtgtatgac aactatgaaa actattgaga agaaatagtt acgtgataca gtcataatcc 180
tcaaaaacgg agaatcagga attatgatca aatagtgata gtaacaagga aaacatctgt 240

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ctaaataatt actgagtaga aataggttcg gaatttgtaa atagtcatta atttgggaga 300
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<210> 1179

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1179

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 ctggcccact ccacaggccc ctgaccatgg tcactcacgg agagggatgg agganaaggt 420
 ggttgaactg agtactgaga acccagagga cagagcccac agcttccaag caggaaaagg 480
 gacctctctg aaaaatcttg ataaccagaa ttatcacagc accctctcat tcccagcgcg 540
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<210> 1180

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1180

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 gatgtaaccc catcataagt caaagagcat ctgtaaagac aaagtacttt agaaaaaat 180
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 aaaattaatt accataaaga acaaaaatct gattgccatt tttggctcct tttcaatata 660
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<210> 1181

<211> 671

<212> DNA

<213> Homo sapiens

<400> 1181

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 aagccccacgg ctttcccgtg tcangtgctc acgcagcggt gtgggccggc ggccgggccg 660
 cananagcgc c 671

<210> 1182

<211> 647

<212> DNA

<213> Homo sapiens

<400> 1182

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<210> 1183

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1183

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aaagaaaaaa	aaaagccagg	tttggtggtg	cacacctgta	gtcccagcta	ctctggaggc	180
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<210> 1184

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1184

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 agaaataagt aaataacatt taacagggat aactacaaaa ttaagatttt aaaagaacag 660
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<210> 1185

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1185

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<210> 1186

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1186

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<210> 1187

<211> 801

<212> DNA

<213> Homo sapiens

<400> 1187

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 gggtagagta tacttgtggc atttgtatca ngtagaaaag ccggactggg tattntaat 720
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<210> 1188

<211> 796

<212> DNA

<213> Homo sapiens

<400> 1188

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 gctgtacgcg ctgggtgtcg aaacgcagcg ctactccgcc gtgctggatg ctgtgatcgc 180
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gggaagaact tttgnc 796

<210> 1189

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1189

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cctgtaggat tttcagaata gtaaataagc cttgggcttc aatttaaaaa ggtactagct 780
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<210> 1190

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1190

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aattaaaaaa tactatattg ctaaaagatg ctaccaatca tcgctgagcc ttcagtgagt 180
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ttctctgaa gtcttgaacc cctcaaagtt attcatgagg gttaaaatca acttcttnc 720
aacttctggt aatgggtgcta tttttacttc ctccatgaat catctattat taataataat 780
nntctttttt ttgagacaga agcttgctct ggtt 814

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<210> 1191

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1191

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agggtgttac tacatatcta ctggctcaca taattcaaaa cagagtcatg cagctcctat 180
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tcctagcccc actggtgatc tatttctgtg cctccgcagt gacgccagtt gtcctagcaa 420
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 ttaatcanca ctggcattgc aaaagttgga gaccttgata aaatgttttg gaaggaatca 840
 nagggtcaag ggaaggc 857

<210> 1192

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1192

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 agctaggaat taagcaccca ctccacagga agaagcttgt tttagcagtg aaagccatca 180
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<210> 1193

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1193

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nttattaatg gttntgnttt aagttttaag ctct 694

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<210> 1194

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1194

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gttatgatgt acggcaaccg gacaaagaaa atgttaccct cctccattgg gctgccatca 120
ataacagaat agatttagtc aaatactata tttcgaaagg tgctattgtg gatcaacttg 180

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gaggggacct gaattcaact ccattgcact gggccacaag acaaggccat ctatccatgg 240
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 gtattcatct ggctgctcag ttcggacata cctcaattgt tgcttatctc atagcaaaag 360
 gacaggatta ttttaaaaaa tgtacttgca tattggaaat gttgagttag gttgcagaag 420
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 agcagggaat accacagtca ttagccttct tctggaagct ggagctaata gtgatgccca 720
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<210> 1195

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1195

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 cagaattgca gataaaggat tgtggaccca taattttctc ctgttttgca ctggcggtag 180
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cctggctcac cggtttgctt ttcacgtttt catcgcttat ttggctcatg gcacaatccc 720
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<210> 1196

<211> 902

<212> DNA

<213> Homo sapiens

<400> 1196

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<210> 1197

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1197

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ttgtctgtac tttctcttta ggtgactgtc ttcctttcct tggcttttagc tacagatgaa 180
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<210> 1198

<211> 824

<212> DNA

<213> Homo sapiens

<400> 1198

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atcaaatgac atattttatt gatttattgc agattcagtg catatgagcc aaattgttga 180
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 gtaatgggtt ttcaagaagt ctgggtccta acaaaatggt ttcctttatc tcaanggtc 780
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<210> 1199

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1199

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 ttcactggcc tttcaccaga cactgattat ggcgtcactg tttttgtgca gacaccaa at 180
 ctcgagggac caggagtctc tgttaaagaa cataccagta agtttttgag gaatctggaa 240
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 atggaataaa atccccagca tgtcagttacc gatgacaatg ggtctcattt tgnacaactt 660
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ccatggngng gttttataat ta

742

<210> 1200

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1200

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<210> 1201

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1201

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<210> 1202

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1202

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<210> 1203

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1203

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<210> 1204

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1204

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caggacaaat gggctggtac acctattaca cctcttaag atgggtttac agangtccag	720
ctgtcctcag ttaatcccc gctttgcacc accaggaact acnggaattt gaacagaagt	780
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<210> 1205

<211> 568

<212> DNA

<213> Homo sapiens

<400> 1205

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aaggcactgg agtgctatcg gacgggtgtc tggggcagag ccaggagggc gaggctcttc	180
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<210> 1206

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1206

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 cccacactta gacatatcag tcaaaccgtt aaaagacaca gaatctttta aggagcaaag 180
 aaaattggta catcacatgt aaggagtctc aataagatta gcaactgact tcttatcaga 240
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 acagtggctc acacctgtaa tcctaacact ttaagggcc aagtggggaag atcacttgag 600
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<210> 1207

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1207

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<210> 1208

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1208

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gattctactt cctaaaaacc ctgagcactt tgtggtgtgc aacagatcaa acacggtggt 180

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 cgagaaggat gtgattggta ttgcacatca cccatcatcag aacctgattg ctacctacag 420
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 aactggtgca gtcacttaat ggtttcatta atcttcgacc tgganaggga aatactgata 720
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<210> 1209

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1209

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 atcagttaga gcaggagcag gcccggaggg acgccctgaa gcagcgggcg gaacagagca 660

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<210> 1210

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1210

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ctaaaatggg aaaatacata tttgggggtt atgatttgat ggcgacgttc aantgcgttg 540
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<210> 1211

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1211

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 aactgaaaca gaattgcctt ttgttaaggg gatgctttgc cttcttggac tacnattgtg 660
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<210> 1212

<211> 714

<212> DNA

<213> Homo sapiens

<400> 1212

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 gtactgcttt tcttaattct gaaagtgaat ctactgntga cattaaactt gnatttgctt 660
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<210> 1213

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1213

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cgtataatgc tggttggatc tggtnccaat ggtgatgctg tgggtaatgt gcttanagcc 780
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<210> 1214

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1214

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<210> 1215

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1215

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 aagattcagg tcttactttc taaattatat taatggatgn atatatgaaa nttcaaaaac 780
 aatttgggct ctttncactt gagaataggc atgaagaaaa taggaattca a 831

<210> 1216

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1216

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<210> 1217

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1217

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<210> 1218

<211> 858

<212> DNA

<213> Homo sapiens

<400> 1218

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ccattttctc atgtgtaaaa agcatgttaa aaattttaaa tgaggagttt aaaaattaca 180
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<210> 1219

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1219

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